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TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	DEC 01	ChemPort single article sales feature unavailable
NEWS	3	APR 03	CAS coverage of exemplified prophetic substances enhanced
NEWS	4	APR 07	STN is raising the limits on saved answers
NEWS	5	APR 24	CA/CAplus now has more comprehensive patent assignee information
NEWS	6	APR 26	USPATFULL and USPAT2 enhanced with patent assignment/reassignment information
NEWS	7	APR 28	CAS patent authority coverage expanded
NEWS	8	APR 28	ENCOMPLIT/ENCOMPLIT2 search fields enhanced
NEWS	9	APR 28	Limits doubled for structure searching in CAS REGISTRY
NEWS	10	MAY 08	STN Express, Version 8.4, now available
NEWS	11	MAY 11	STN on the Web enhanced
NEWS	12	MAY 11	BEILSTEIN substance information now available on STN Easy
NEWS	13	MAY 14	DGENE, PCTGEN and USGENE enhanced with increased limits for exact sequence match searches and introduction of free HIT display format
NEWS	14	MAY 15	INPADOCDB and INPAFAMDB enhanced with Chinese legal status data
NEWS	15	MAY 28	CAS databases on STN enhanced with NANO super role in records back to 1992
NEWS	16	JUN 01	CAS REGISTRY Source of Registration (SR) searching enhanced on STN
NEWS	17	JUN 25	NUTRACEUT and PHARMAML discontinued

NEWS EXPRESS MAY 26 09 CURRENT WINDOWS VERSION IS V8.4,
AND CURRENT DISCOVER FILE IS DATED 06 APRIL 2009.

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* * * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 15:17:20 ON 25 JUN 2009

=> fil reg
COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION
FULL ESTIMATED COST | 0.22 | 0.22

FILE 'REGISTRY' ENTERED AT 15:17:36 ON 25 JUN 2009
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STRUCTURE FILE UPDATES: 23 JUN 2009 HIGHEST RN 1159631-40-9
DICTIONARY FILE UPDATES: 23 JUN 2009 HIGHEST RN 1159631-40-9

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http://www.cas.org/support/stngen/stndoc/properties.html

=>
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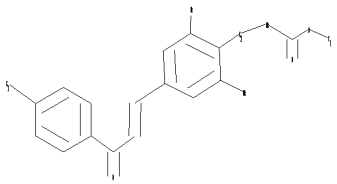

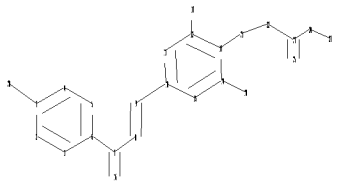

chain nodes :
7 8 9 16 17 18 21 22 23 24 25 27 28

ring nodes :
1 2 3 4 5 6 10 11 12 13 14 15
chain bonds :
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24-27
ring bonds :
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exact/norm bonds :
3-28 7-16 12-17 13-21 14-18 21-22 22-23 23-24 23-25 24-27
exact bonds :
6-7 7-8 8-9 9-10
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 10-11 10-15 11-12 12-13 13-14 14-15

G1:X,Ak,O,S

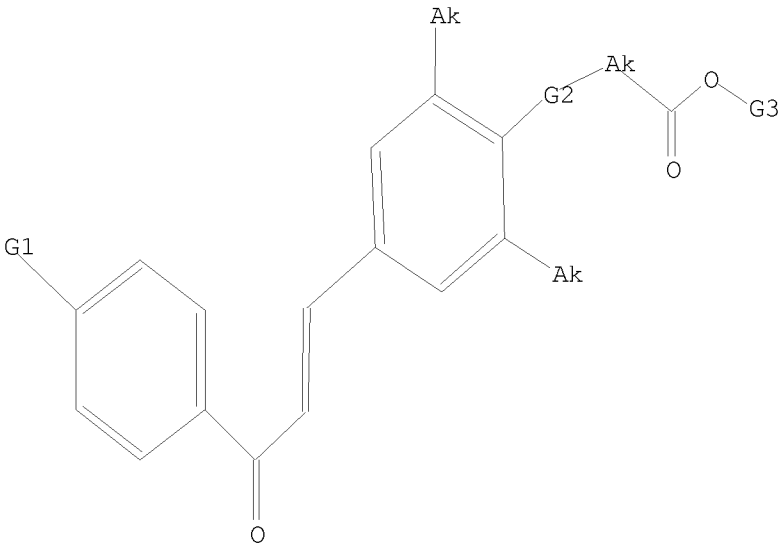
G2:O,S

G3:H,Ak

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:CLASS 17:CLASS 18:CLASS 21:CLASS
22:CLASS 23:CLASS 24:CLASS 25:CLASS 27:CLASS 28:CLASS

L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR



G1 X,Ak,O,S

G2 O,S

G3 H,Ak

Structure attributes must be viewed using STN Express query preparation.

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=> s l1 sss ful
FULL SEARCH INITIATED 15:17:58 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -    27933 TO ITERATE

100.0% PROCESSED    27933 ITERATIONS                                157 ANSWERS
SEARCH TIME: 00.00.01

L2          157 SEA SSS FUL L1

=> fil cap
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                     185.88     186.10

FILE 'CAPLUS' ENTERED AT 15:18:06 ON 25 JUN 2009
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FILE COVERS 1907 - 25 Jun 2009  VOL 150 ISS 26
FILE LAST UPDATED: 24 Jun 2009  (20090624/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED:  Apr 2009
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE:  Apr 2009

CAplus now includes complete International Patent Classification (IPC)
reclassification data for the third quarter of 2008.

CAS Information Use Policies apply and are available at:

http://www.cas.org/legal/infopolicy.html

This file contains CAS Registry Numbers for easy and accurate
substance identification.

=> s l2
L3           8 L2

=> d l3 1-8 ibib abs hitstr

L3   ANSWER 1 OF 8  CAPLUS  COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER:        2007:1470011  CAPLUS
DOCUMENT NUMBER:         148:100385
TITLE:                   Preparation of 1,3-diphenylpropane derivatives,
                         particularly 2-[4-(3-oxo-3-phenylpropyl)phenoxy]-2-
                         methylpropanoic acids and related derivatives, as PPAR
                         agonists for treating diseases especially dyslipidemia
INVENTOR(S):             Delhomel, Jean-Francois; Hanf, Remy; Caumont-Bertrand,
                         Karine
PATENT ASSIGNEE(S):      Genfit, Fr.
SOURCE:                  PCT Int. Appl., 108pp.
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CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
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CA 2655643	A1	20071227	CA 2007-2655643	20070621
EP 2046715	A1	20090415	EP 2007-730296	20070621
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, MK, RS				
IN 2009MN00149	A	20090515	IN 2009-MN149	20090119
KR 2009035535	A	20090409	KR 2009-701319	20090121

PRIORITY APPLN. INFO.: FR 2006-5540 A 20060621
WO 2007-EP56224 W 20070621

OTHER SOURCE(S): MARPAT 148:100385
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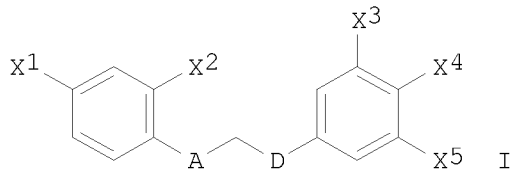

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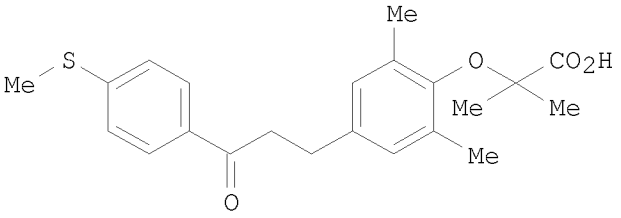

II

AB Title compds. I [X1 = R1, G1R1; X2 = halo, R2, G2R2; X3 = R3, G3R3; X4 = halo, R4, G4R4; X5 = R5, G5R5; R1 = H, nonhalogenated alkyl; R2 = H, alkyl; R3-R5 = independently H, (un)substituted alkyl; G1-G5 = independently O, S; with at least one of X3-X5 = R3, G3R3, R4, G4R4, R5, G5R5 in which G3-G5 = defined as above and R3-R5 = independently alkyl substituted with 1-2 substituents selected from CO2H and derivs., CONH2 and derivs., SO3H, SO2NH2 and derivs.; A = CR6R7, CO, C:N-OH, C:N-OR8; R6, R7 = independently H, OH, OR8, alkyl; R8 = independently alkyl substituted

with an aryl or cycloalkyl group; D = CH2, CHY; Y = O- or S-heterocycle; with the exclusion of compds. I in which A = CH2 and at least 3 of X1-X5 = H; and their stereoisomers, racemates, geometrical isomers, tautomers, salts, hydrates, solvates, solid forms and their mixts.] were prepared as PPAR activators, especially agonists, for treating dyslipidemia, diabetes type II and related diseases. Thus, reduction of 2-[2,6-dimethyl-4-[3-[4-(methylthio)phenyl]-3-oxoprop-1-enyl]phenoxy]-2-methylpropanoic acid with triethylsilane in TFA at room temperature gave acid II (m.p. = 109-110°). Selected I were hPPARα, hPPARγ, and/or hPPAδ activators in an induced luciferase activity via hPPARα/Gal4, hPPARγ/Gal4, and hPPARδ/Gal4 transactivation assay. I displayed hypolipemic properties by lowering the plasmatic cholesterol and triglycerides rates. I are useful for treating diabetes type II, dyslipidemia, pathologies associated with metabolic syndrome, cardiovascular diseases, etc.

IT 824932-88-9 1000334-92-8 1000334-94-0 1000334-96-2 1000335-03-4
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of 1,3-diphenylpropane derivs. as PPAR activators for treating diseases especially dyslipidemia)

RN 824932-88-9 CAPLUS
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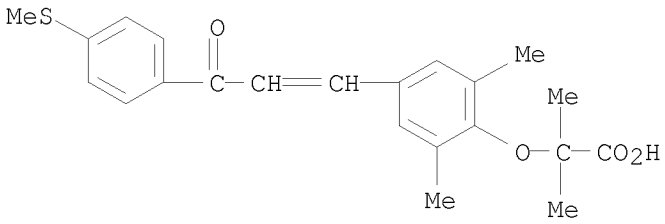

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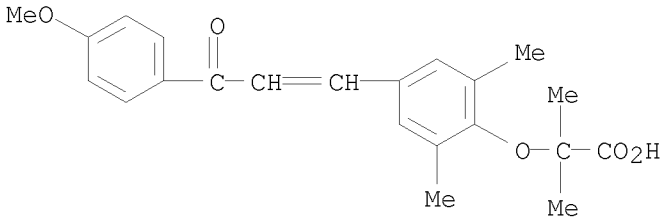

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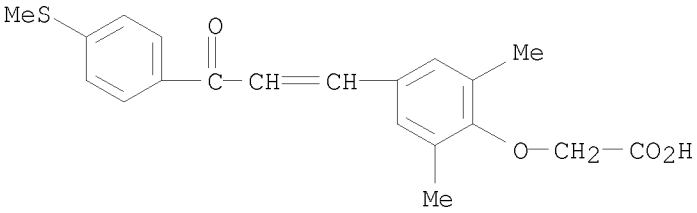

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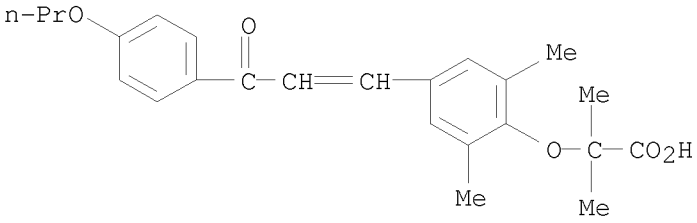

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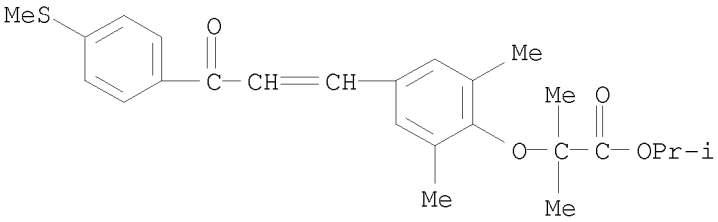

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2007:1470010 CAPLUS
DOCUMENT NUMBER: 148:100384
TITLE: Preparation of 1,3-diphenylpropane derivatives, particularly 2-[4-(3-oxo-3-phenylpropyl)phenoxy]-2-methylpropanoic acids and related derivatives, as PPAR agonists for treating diseases especially dyslipidemia
INVENTOR(S): Delhomel, Jean-Francois; Hanf, Remy; Caumont-Bertrand, Karine
PATENT ASSIGNEE(S): Genfit, Fr.
SOURCE: PCT Int. Appl., 97pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

WO 2007147880	A1	20071227	WO 2007-EP56225		20070621
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RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
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OTHER SOURCE(S): MARPAT 148:100384

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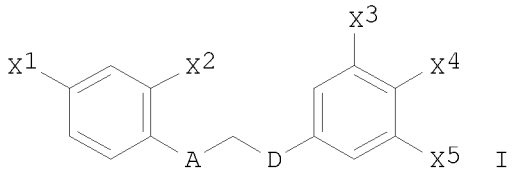

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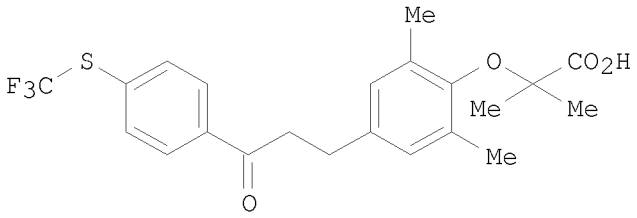

II

AB Title compds. I [X1 = halo, R1, G1R1; X2 = halo, R2, G2R2; X3 = R3, G3R3; X4 = halo, R4, G4R4; X5 = R5, G5R5; R1 = haloalkyl; R2 = H, alkyl; R3-R5 = independently H, (un)substituted alkyl; G1-G5 = independently O, S; with at least one of X3-X5 = R3, G3R3, R4, G4R4, R5, G5R5 in which G3-G5 = defined as above and R3-R5 = independently alkyl substituted with 1-2 substituents selected from CO2H and derivs., CONH2 and derivs., SO3H, SO2NH2 and derivs.; A = CR6R7, CO, C:N-OH, C:N-OR8; R6 = H, alkyl, OR8; R7 = alkyl, OH, OR8; R8 = independently alkyl substituted with an aryl or cycloalkyl group; D = CH2, CHY; Y = O- or S-heterocycle; and their stereoisomers, racemates, geometrical isomers, tautomers, salts, hydrates, solvates, solid forms and their mixts.] were prepared as PPAR activators, especially agonists, for treating dyslipidemia, diabetes type II and related diseases. Thus, reduction of 2-[2,6-dimethyl-4-[3-[4-(trifluoromethylthio)phenyl]-3-oxoprop-1-enyl]phenoxy]-2-methylpropanoic acid with triethylsilane in DCM in the presence of TFA at room temperature gave the acid II (m.p. = 83-85°). Selected I were hPPARα,

hPPARγ, and/or hPPAδ activators in an induced luciferase activity via hPPARα/Gal4, hPPARγ/Gal4, and hPPARδ/Gal4 transactivation assay. I displayed hypolipemic properties by lowering the plasmatic cholesterol and triglycerides rates. I are useful for treating diabetes type II, dyslipidemia, pathologies associated with metabolic syndrome, cardiovascular diseases, etc.

IT 824932-97-0 1000336-54-8 1000336-56-0 1000336-59-3, 2-[2,6-Dimethyl-4-[3-[4-(trifluoromethyl)phenyl]-3-oxoprop-1-enyl]phenoxy]-2-methylpropanoic acid 1000336-67-3, tert-Butyl 2-[[4-[3-(4-hydroxyphenyl)-3-oxoprop-1-enyl]-2,6-dimethylphenyl]oxy]-2-methylpropanoate 1000336-69-5, tert-Butyl 2-[[4-[3-(2-fluoro-4-hydroxyphenyl)-3-oxoprop-1-enyl]-2,6-dimethylphenyl]oxy]-2-methylpropanoate
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of 1,3-diphenylpropane derivs. as PPAR activators for treating diseases especially dyslipidemia)

RN 824932-97-0 CAPLUS
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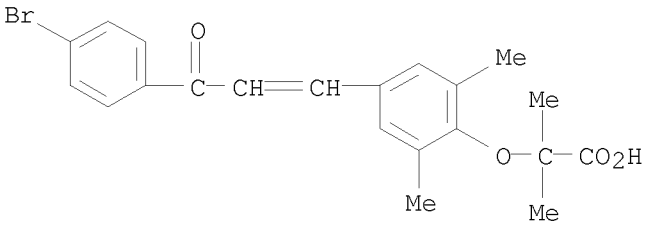

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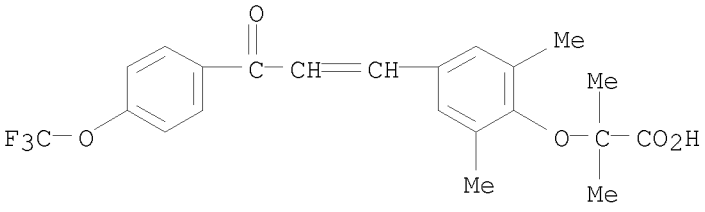

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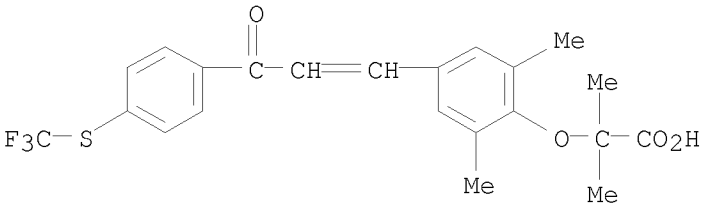

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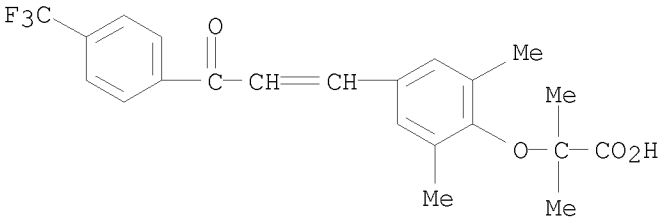

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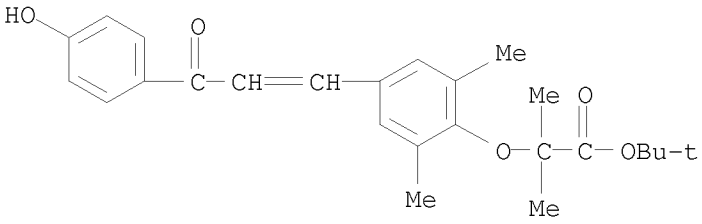
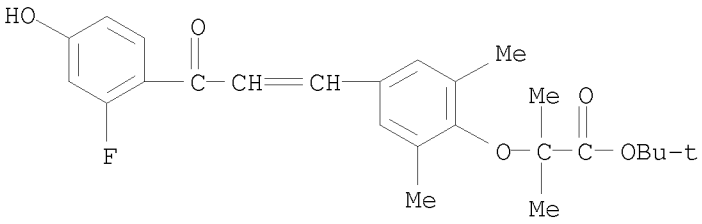


RN 1000336-69-5 CAPLUS
CN Propanoic acid, 2-[4-[3-(2-fluoro-4-hydroxyphenyl)-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)



REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2007:151078 CAPLUS
DOCUMENT NUMBER: 146:229042
TITLE: Combinations of substituted 1,3-diphenylprop-2-en-1-one derivatives with other therapeutically active ingredients and their preparation, and use in the treatment of diseases
INVENTOR(S): Delhomel, Jean Francois; Caumont-Bertrand, Karine
PATENT ASSIGNEE(S): Genfit, Fr.
SOURCE: U.S. Pat. Appl. Publ., 98pp., Cont.-in-part of U.S. Ser. No. 520,079.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

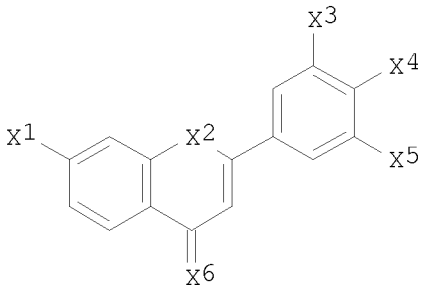
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20070032543	A1	20070208	US 2006-493040	20060726
FR 2841900	A1	20040109	FR 2002-8571	20020708
FR 2841900	B1	20070302		
WO 2004005233	A1	20040115	WO 2003-FR2127	20030708
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 20050176808	A1	20050811	US 2005-520079	20050422

PRIORITY APPLN. INFO.:

FR 2002-8571	A	20020708
WO 2003-FR2127	W	20030708
US 2005-520079	A2	20050422

OTHER SOURCE(S): MARPAT 146:229042

GI



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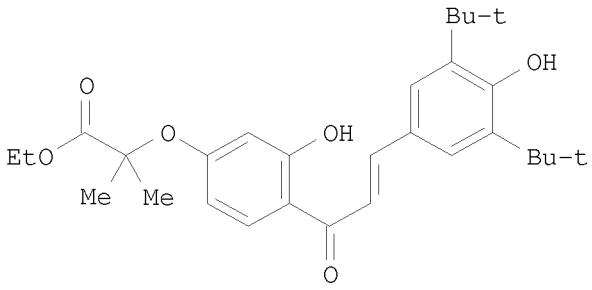


II

AB The invention concerns substituted 1,3-diphenylprop-2-en-1-one derivs. of formula I and combinations of said derivs. with other therapeutically active ingredients. The invention also concerns compns. comprising said derivs. or said combinations and uses thereof, for the treatment of cerebrovascular diseases, pathol. related to inflammation, neurodegeneration, deregulations of lipid and/or glucose metabolism, cell proliferation and/or differentiation and/or skin or central nervous system ageing. Compds. of formula I wherein X1 is H, halo, (un)substituted alkyl, OH and derivs., SH and derivs.; X3 is H, thionitroso, OH,

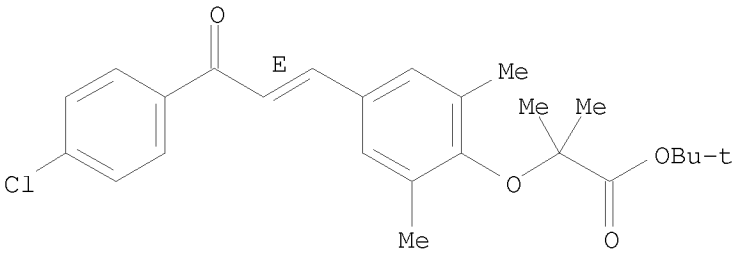
alkylcarbonyloxy, alkyloxy, thio, alkylthio, alkylcarbonylthio, or O and S to form benzopyran derivative or benzothiopyran derivative; X3 - X5 are independently OH and derivs., SH and derivs., H, and (un)substituted alkyl; X6 is O, NH, and NOH and derivs.; and their optical and geometric isomers, racemates, tautomers, salts, hydrates, and mixts. thereof, are claimed. Example compound II was prepared by condensation of 4-[(ethoxycarbonyl)dimethylmethoxy]acetophenone with 3,5-di-tert-butyl-4-hydroxybenzaldehyde. All the invention compds. were evaluated for their antioxidant properties, PPAR activation, antiinflammatory activity neuroprotective effect, lipid metabolism effect, and antidiabetic activity.

IT 923978-13-6P 923978-26-1P 923978-31-8P
923978-35-2P 923978-37-4P 923978-39-6P
923978-50-1P 923978-52-3P 923978-54-5P
923978-56-7P 923978-60-3P 923978-62-5P
923978-64-7P 923978-66-9P 923978-68-1P
923978-70-5P 923978-72-7P 923978-74-9P
923978-76-1P 923978-78-3P
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(drug candidate and intermediate; preparation of substituted diphenylpropenone derivs. and their use in combinations with other therapeutically active ingredients useful in treatment of diseases)

RN 923978-13-6 CAPLUS

CN Propanoic acid, 2-[4-[(1E)-3-(4-chlorophenyl)-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)

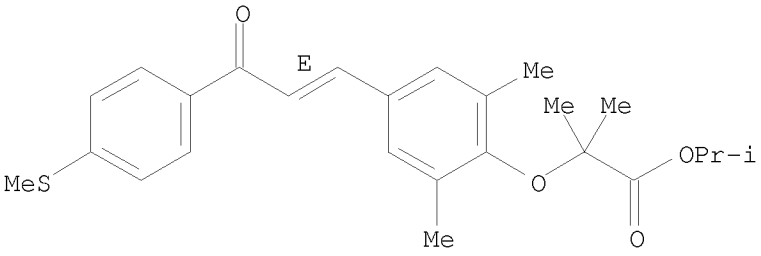
Double bond geometry as shown.



RN 923978-26-1 CAPLUS

CN Propanoic acid, 2-[2,6-dimethyl-4-[(1E)-3-[4-(methylthio)phenyl]-3-oxo-1-propen-1-yl]phenoxy]-2-methyl-, 1-methylethyl ester (CA INDEX NAME)

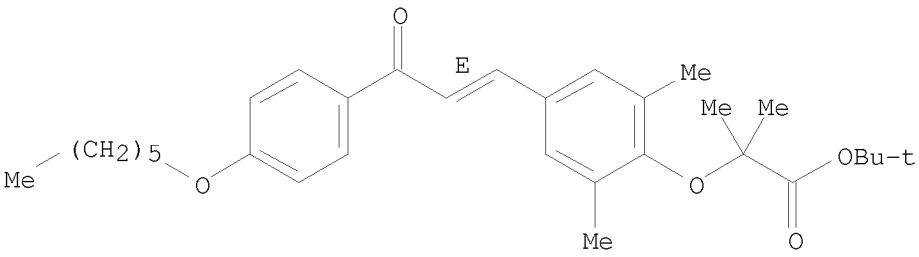
Double bond geometry as shown.



RN 923978-31-8 CAPLUS

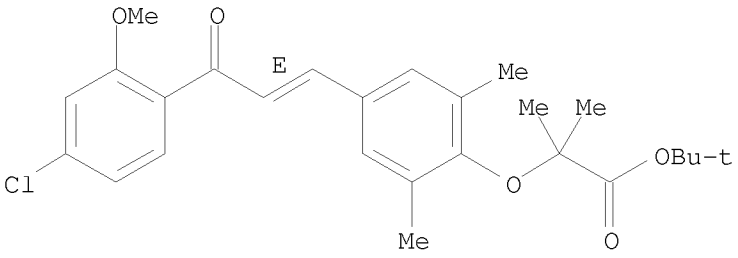
CN Propanoic acid, 2-[4-[(1E)-3-[4-(hexyloxy)phenyl]-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)

Double bond geometry as shown.



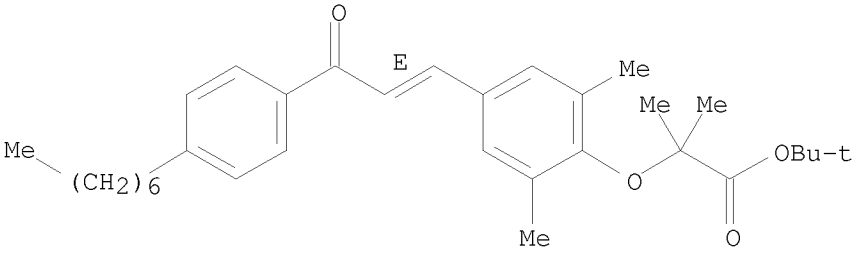
RN 923978-35-2 CAPLUS
CN Propanoic acid, 2-[4-[(1E)-3-(4-chloro-2-methoxyphenyl)-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)

Double bond geometry as shown.



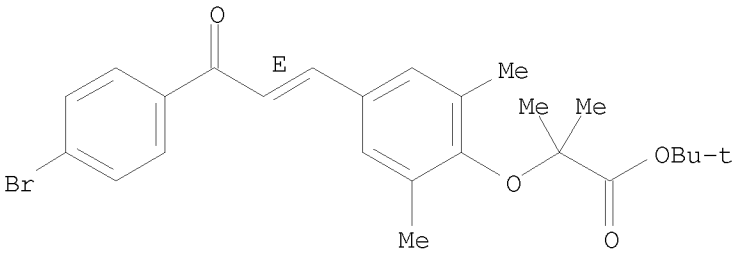
RN 923978-37-4 CAPLUS
CN Propanoic acid, 2-[4-[(1E)-3-(4-heptylphenyl)-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)

Double bond geometry as shown.



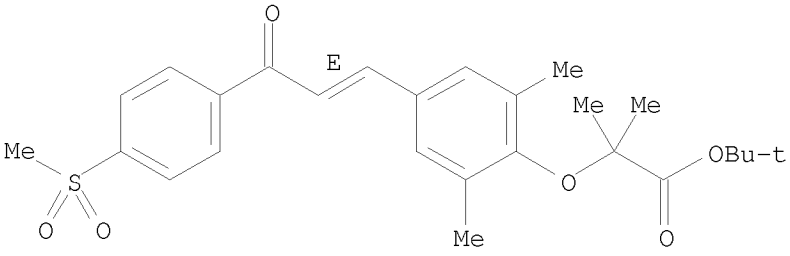
RN 923978-39-6 CAPLUS
CN Propanoic acid, 2-[4-[(1E)-3-(4-bromophenyl)-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)

Double bond geometry as shown.



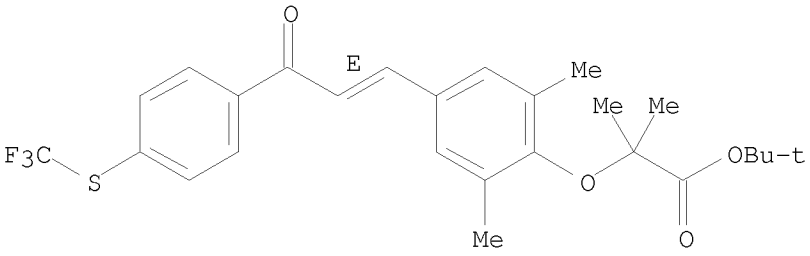
RN 923978-50-1 CAPLUS
CN Propanoic acid, 2-[2,6-dimethyl-4-[(1E)-3-[4-(methylsulfonyl)phenyl]-3-oxo-1-propen-1-yl]phenoxy]-2-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)

Double bond geometry as shown.



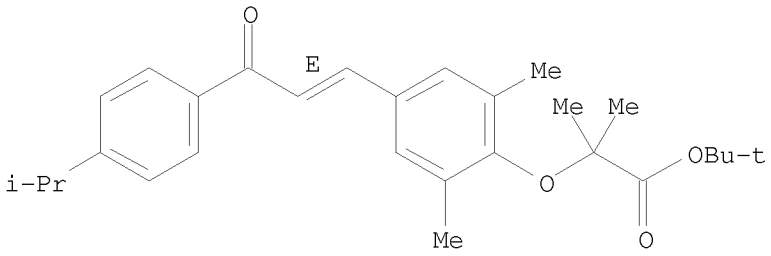
RN 923978-52-3 CAPLUS
CN Propanoic acid, 2-[2,6-dimethyl-4-[(1E)-3-oxo-3-[4-[(trifluoromethyl)thio]phenyl]-1-propen-1-yl]phenoxy]-2-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)

Double bond geometry as shown.



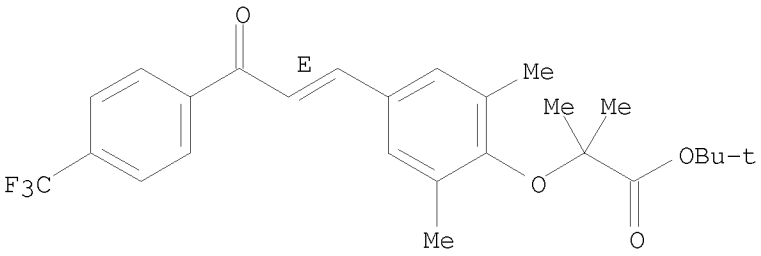
RN 923978-54-5 CAPLUS
CN Propanoic acid, 2-[2,6-dimethyl-4-[(1E)-3-[4-(1-methylethyl)phenyl]-3-oxo-1-propen-1-yl]phenoxy]-2-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)

Double bond geometry as shown.



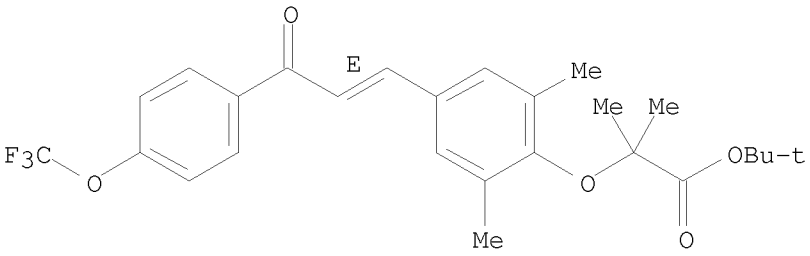
RN 923978-56-7 CAPLUS
CN Propanoic acid, 2-[2,6-dimethyl-4-[(1E)-3-oxo-3-[4-(trifluoromethyl)phenyl]-1-propen-1-yl]phenoxy]-2-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)

Double bond geometry as shown.



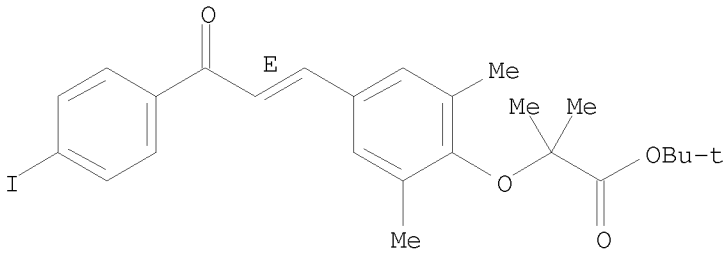
RN 923978-60-3 CAPLUS
CN Propanoic acid, 2-[2,6-dimethyl-4-[(1E)-3-oxo-3-[4-(trifluoromethoxy)phenyl]-1-propen-1-yl]phenoxy]-2-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)

Double bond geometry as shown.



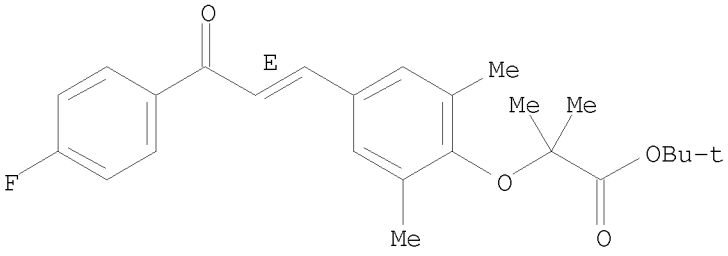
RN 923978-62-5 CAPLUS
CN Propanoic acid, 2-[4-[(1E)-3-(4-iodophenyl)-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)

Double bond geometry as shown.



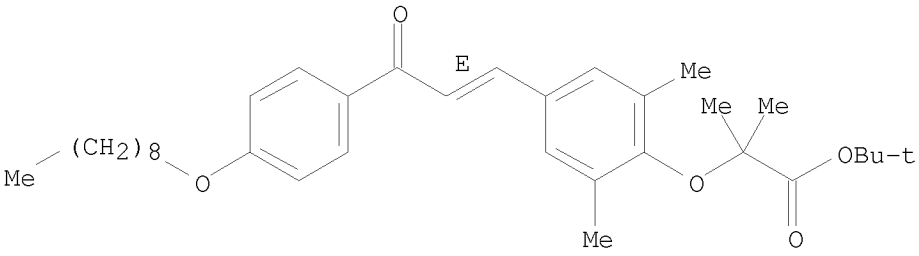
RN 923978-64-7 CAPLUS
CN Propanoic acid, 2-[4-[(1E)-3-(4-fluorophenyl)-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)

Double bond geometry as shown.



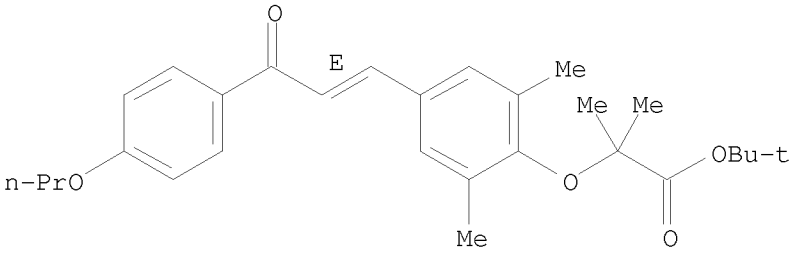
RN 923978-66-9 CAPLUS
CN Propanoic acid, 2-[2,6-dimethyl-4-[(1E)-3-[4-(nonyloxy)phenyl]-3-oxo-1-propen-1-yl]phenoxy]-2-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)

Double bond geometry as shown.



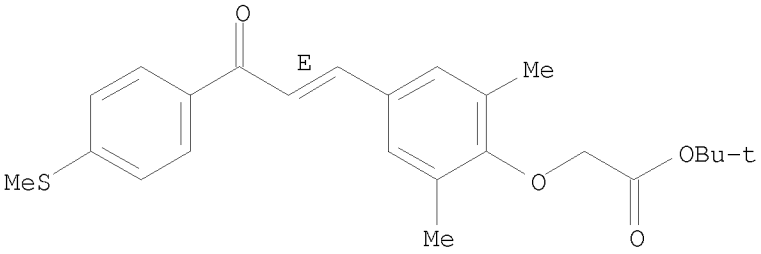
RN 923978-68-1 CAPLUS
CN Propanoic acid, 2-[2,6-dimethyl-4-[(1E)-3-oxo-3-(4-propoxyphenyl)-1-propen-1-yl]phenoxy]-2-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)

Double bond geometry as shown.



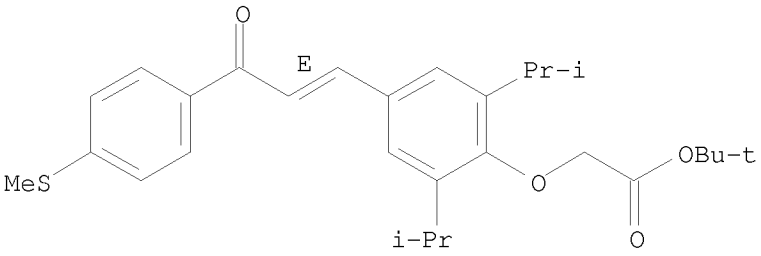
RN 923978-70-5 CAPLUS
CN Acetic acid, 2-[2,6-dimethyl-4-[(1E)-3-[4-(methylthio)phenyl]-3-oxo-1-propen-1-yl]phenoxy]-, 1,1-dimethylethyl ester (CA INDEX NAME)

Double bond geometry as shown.



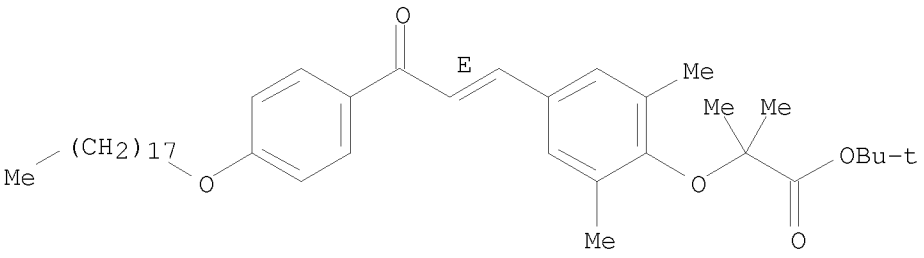
RN 923978-72-7 CAPLUS
CN Acetic acid, 2-[2,6-bis(1-methylethyl)-4-[(1E)-3-[4-(methylthio)phenyl]-3-oxo-1-propen-1-yl]phenoxy]-, 1,1-dimethylethyl ester (CA INDEX NAME)

Double bond geometry as shown.



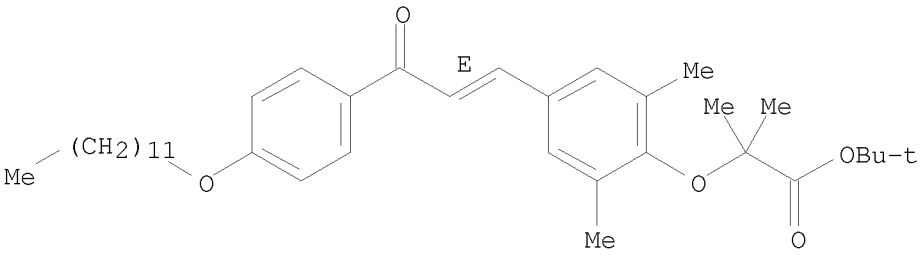
RN 923978-74-9 CAPLUS
CN Propanoic acid, 2-[2,6-dimethyl-4-[(1E)-3-[4-(octadecyloxy)phenyl]-3-oxo-1-propen-1-yl]phenoxy]-2-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)

Double bond geometry as shown.



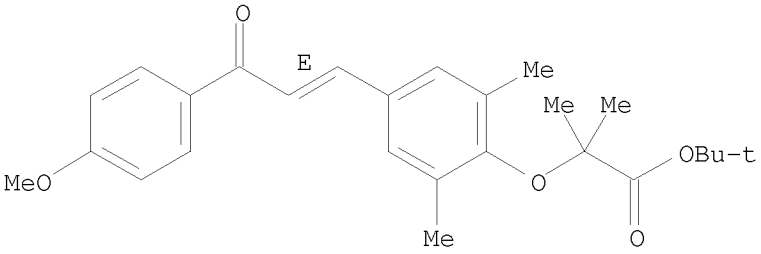
RN 923978-76-1 CAPLUS
CN Propanoic acid, 2-[4-[(1E)-3-[4-(dodecyloxy)phenyl]-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)

Double bond geometry as shown.



RN 923978-78-3 CAPLUS
CN Propanoic acid, 2-[4-[(1E)-3-(4-methoxyphenyl)-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)

Double bond geometry as shown.



IT 639864-34-9P 639864-35-0P 923978-04-5P
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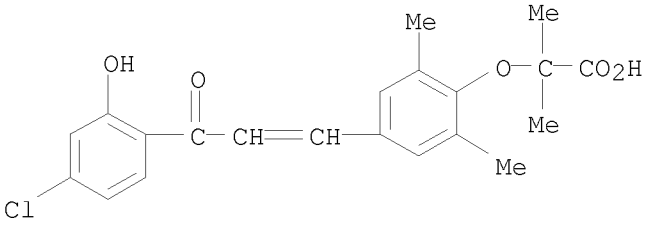
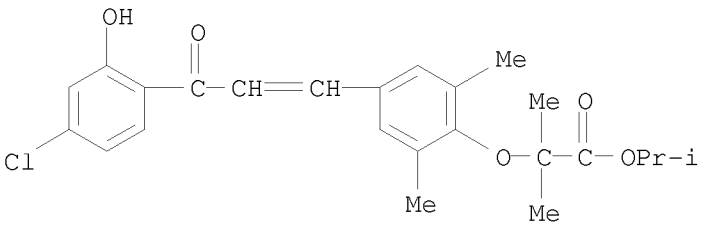
923978-77-2P 923978-79-4P 923978-82-9P
923978-83-0P 923978-94-3P 923978-95-4P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(drug candidate; preparation of substituted diphenylpropenone derivs. and their use in combinations with other therapeutically active ingredients useful in treatment of diseases)
RN 639864-34-9 CAPLUS
CN Propanoic acid, 2-[4-[3-(4-chloro-2-hydroxyphenyl)-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl- (CA INDEX NAME)



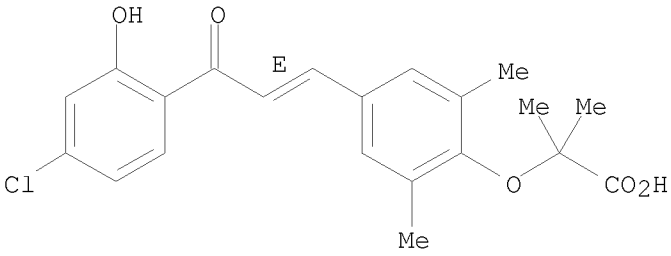
RN 639864-35-0 CAPLUS
CN Propanoic acid, 2-[4-[3-(4-chloro-2-hydroxyphenyl)-3-oxo-1-propen-1-yl]-

2,6-dimethylphenoxy]-2-methyl-, 1-methylethyl ester (CA INDEX NAME)



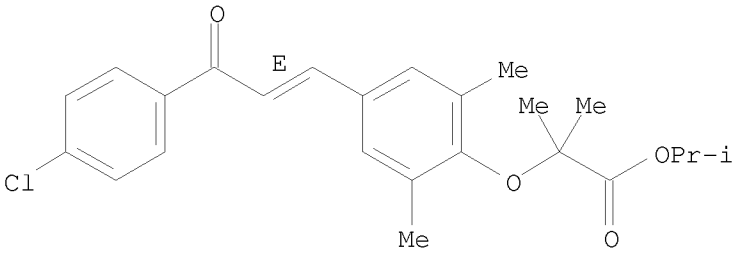
RN 923978-04-5 CAPLUS
CN Propanoic acid, 2-[4-[(1E)-3-(4-chloro-2-hydroxyphenyl)-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl- (CA INDEX NAME)

Double bond geometry as shown.



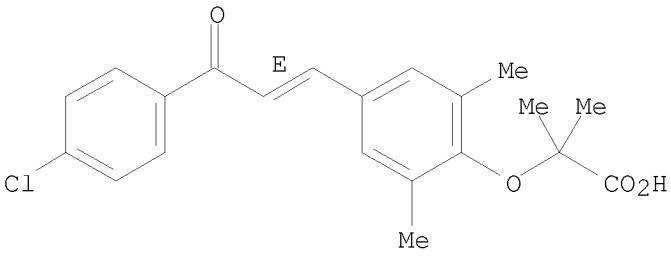
RN 923978-12-5 CAPLUS
CN Propanoic acid, 2-[4-[(1E)-3-(4-chlorophenyl)-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl-, 1-methylethyl ester (CA INDEX NAME)

Double bond geometry as shown.



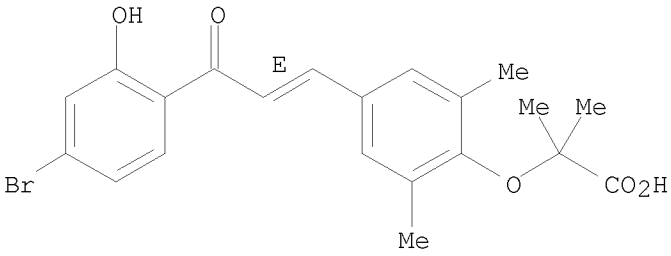
RN 923978-15-8 CAPLUS
CN Propanoic acid, 2-[4-[(1E)-3-(4-chlorophenyl)-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl- (CA INDEX NAME)

Double bond geometry as shown.



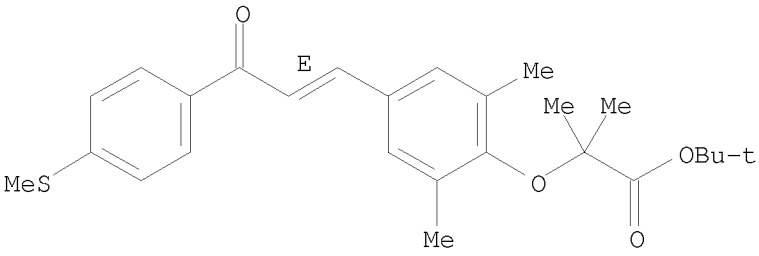
RN 923978-23-8 CAPLUS
CN Propanoic acid, 2-[4-[(1E)-3-(4-bromo-2-hydroxyphenyl)-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl- (CA INDEX NAME)

Double bond geometry as shown.



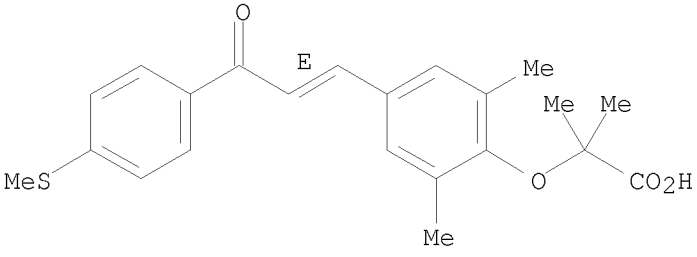
RN 923978-25-0 CAPLUS
CN Propanoic acid, 2-[2,6-dimethyl-4-[(1E)-3-[4-(methylthio)phenyl]-3-oxo-1-propen-1-yl]phenoxy]-2-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)

Double bond geometry as shown.



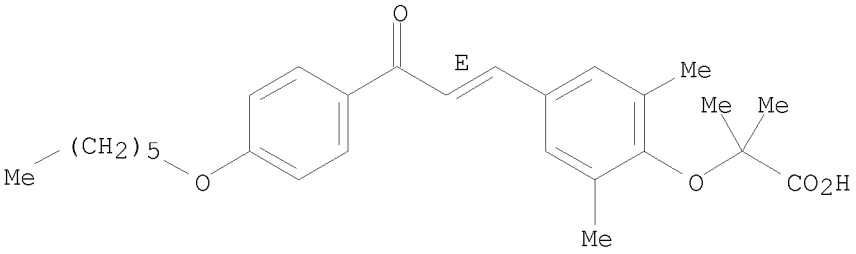
RN 923978-27-2 CAPLUS
CN Propanoic acid, 2-[2,6-dimethyl-4-[(1E)-3-[4-(methylthio)phenyl]-3-oxo-1-propen-1-yl]phenoxy]-2-methyl- (CA INDEX NAME)

Double bond geometry as shown.



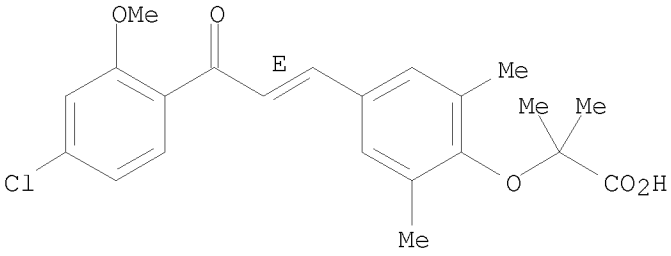
RN 923978-32-9 CAPLUS
CN Propanoic acid, 2-[4-[(1E)-3-[4-(hexyloxy)phenyl]-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl- (CA INDEX NAME)

Double bond geometry as shown.



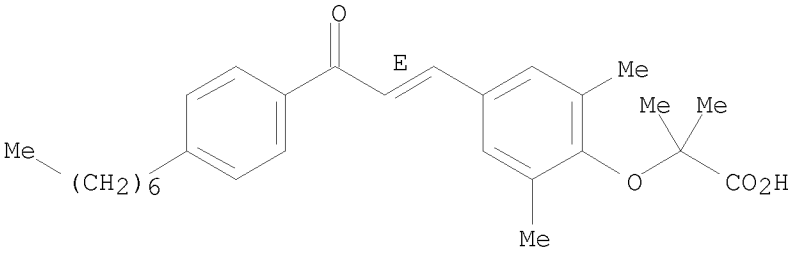
RN 923978-36-3 CAPLUS
CN Propanoic acid, 2-[4-[(1E)-3-(4-chloro-2-methoxyphenyl)-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl- (CA INDEX NAME)

Double bond geometry as shown.



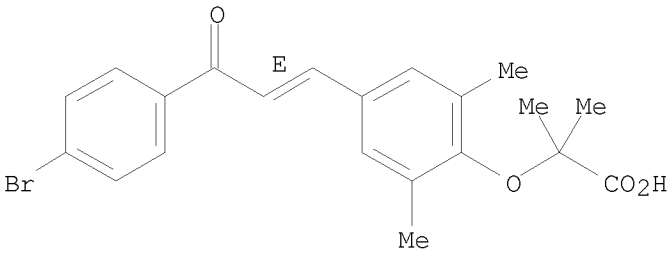
RN 923978-38-5 CAPLUS
CN Propanoic acid, 2-[4-[(1E)-3-(4-heptylphenyl)-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl- (CA INDEX NAME)

Double bond geometry as shown.



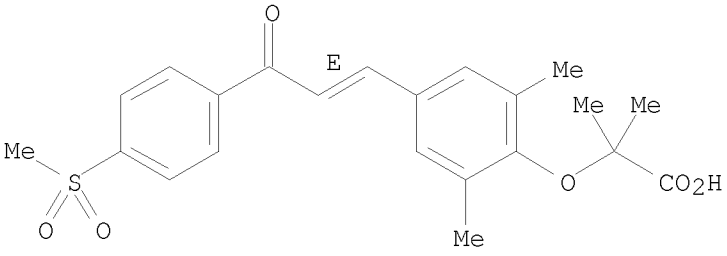
RN 923978-40-9 CAPLUS
CN Propanoic acid, 2-[4-[(1E)-3-(4-bromophenyl)-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl- (CA INDEX NAME)

Double bond geometry as shown.



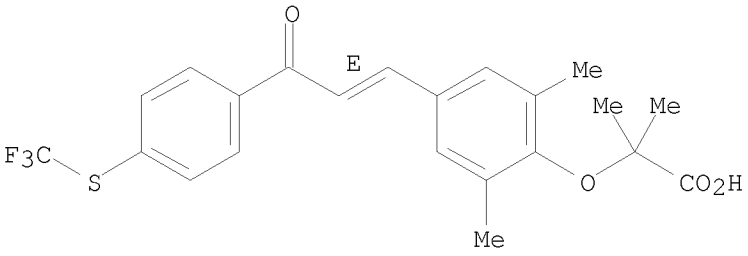
RN 923978-51-2 CAPLUS
CN Propanoic acid, 2-[2,6-dimethyl-4-[(1E)-3-[4-(methylsulfonyl)phenyl]-3-oxo-1-propen-1-yl]phenoxy]-2-methyl- (CA INDEX NAME)

Double bond geometry as shown.



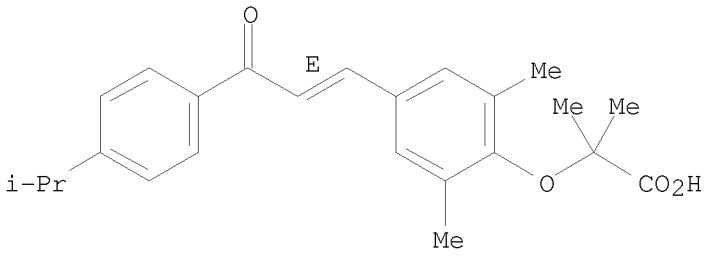
RN 923978-53-4 CAPLUS
CN Propanoic acid, 2-[2,6-dimethyl-4-[(1E)-3-oxo-3-[4-[(trifluoromethyl)thio]phenyl]-1-propen-1-yl]phenoxy]-2-methyl- (CA INDEX NAME)

Double bond geometry as shown.



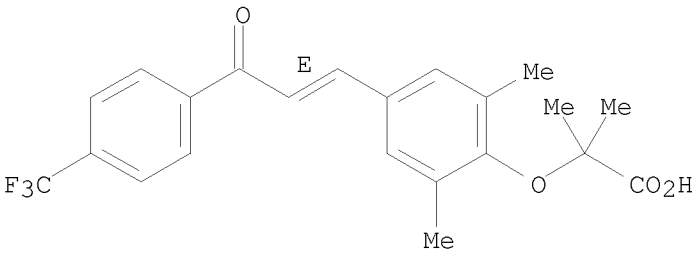
RN 923978-55-6 CAPLUS
CN Propanoic acid, 2-[2,6-dimethyl-4-[(1E)-3-[4-(1-methylethyl)phenyl]-3-oxo-1-propen-1-yl]phenoxy]-2-methyl- (CA INDEX NAME)

Double bond geometry as shown.



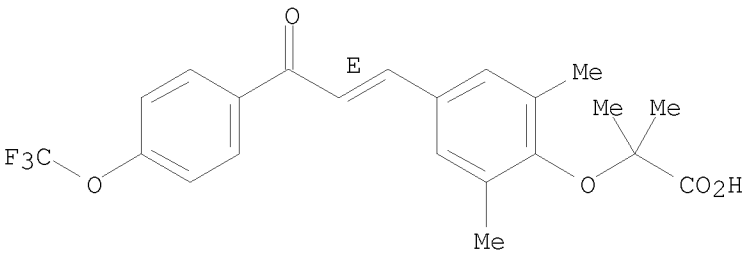
RN 923978-57-8 CAPLUS
CN Propanoic acid, 2-[2,6-dimethyl-4-[(1E)-3-oxo-3-[4-(trifluoromethyl)phenyl]-1-propen-1-yl]phenoxy]-2-methyl- (CA INDEX NAME)

Double bond geometry as shown.



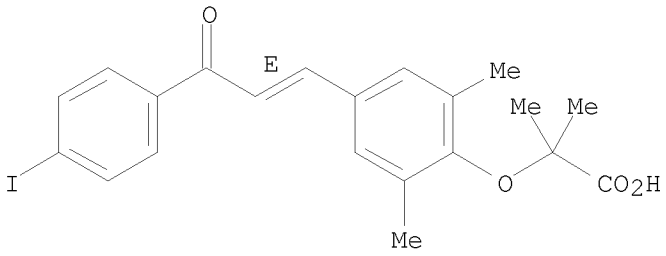
RN 923978-61-4 CAPLUS
CN Propanoic acid, 2-[2,6-dimethyl-4-[(1E)-3-oxo-3-[4-(trifluoromethoxy)phenyl]-1-propen-1-yl]phenoxy]-2-methyl- (CA INDEX NAME)

Double bond geometry as shown.



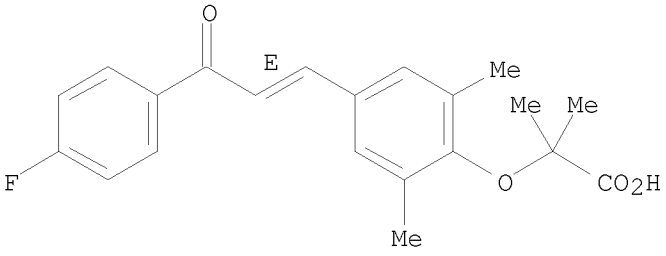
RN 923978-63-6 CAPLUS
CN Propanoic acid, 2-[4-[(1E)-3-(4-iodophenyl)-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl- (CA INDEX NAME)

Double bond geometry as shown.



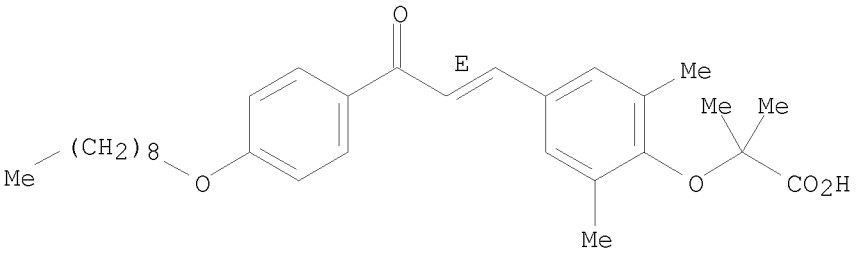
RN 923978-65-8 CAPLUS
CN Propanoic acid, 2-[4-[(1E)-3-(4-fluorophenyl)-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl- (CA INDEX NAME)

Double bond geometry as shown.



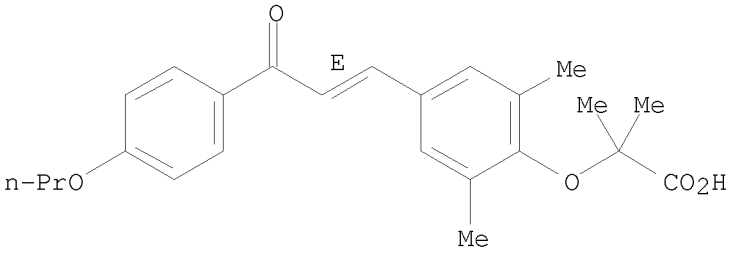
RN 923978-67-0 CAPLUS
CN Propanoic acid, 2-[2,6-dimethyl-4-[(1E)-3-[4-(nonyloxy)phenyl]-3-oxo-1-propen-1-yl]phenoxy]-2-methyl- (CA INDEX NAME)

Double bond geometry as shown.



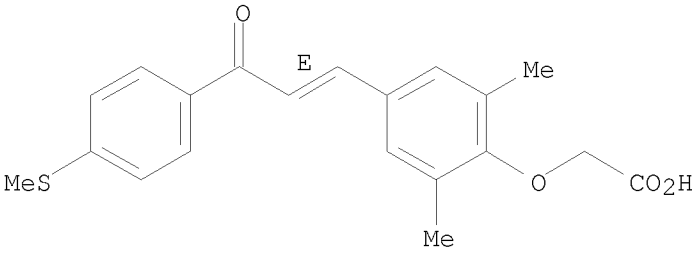
RN 923978-69-2 CAPLUS
CN Propanoic acid, 2-[2,6-dimethyl-4-[(1E)-3-oxo-3-(4-propoxyphenyl)-1-propen-1-yl]phenoxy]-2-methyl- (CA INDEX NAME)

Double bond geometry as shown.



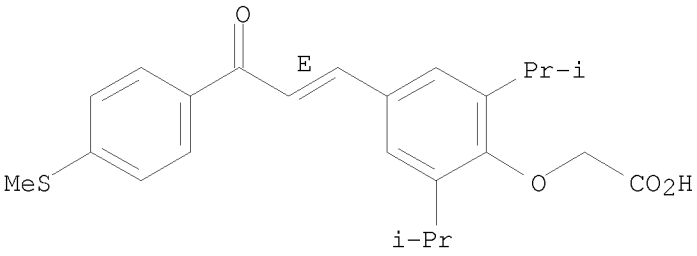
RN 923978-71-6 CAPLUS
CN Acetic acid, 2-[2,6-dimethyl-4-[(1E)-3-[4-(methylthio)phenyl]-3-oxo-1-propen-1-yl]phenoxy]- (CA INDEX NAME)

Double bond geometry as shown.



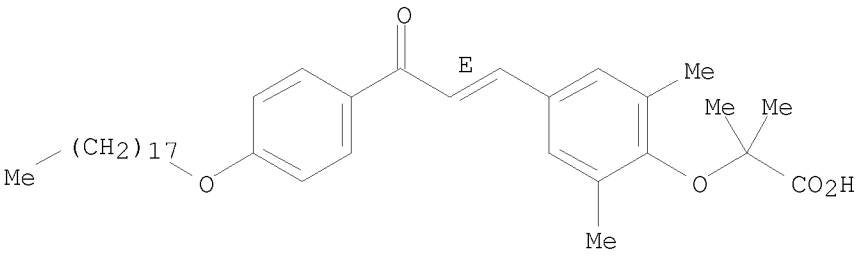
RN 923978-73-8 CAPLUS
CN Acetic acid, 2-[2,6-bis(1-methylethyl)-4-[(1E)-3-[4-(methylthio)phenyl]-3-oxo-1-propen-1-yl]phenoxy]- (CA INDEX NAME)

Double bond geometry as shown.



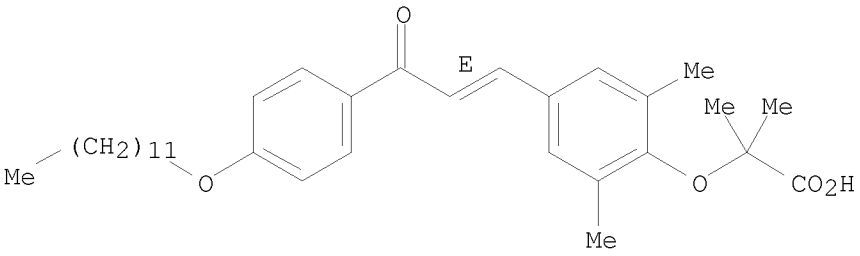
RN 923978-75-0 CAPLUS
CN Propanoic acid, 2-[2,6-dimethyl-4-[(1E)-3-[4-(octadecyloxy)phenyl]-3-oxo-1-propen-1-yl]phenoxy]-2-methyl- (CA INDEX NAME)

Double bond geometry as shown.



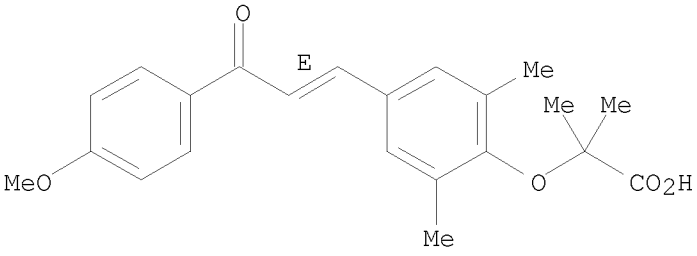
RN 923978-77-2 CAPLUS
CN Propanoic acid, 2-[4-[(1E)-3-[4-(dodecyloxy)phenyl]-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl- (CA INDEX NAME)

Double bond geometry as shown.



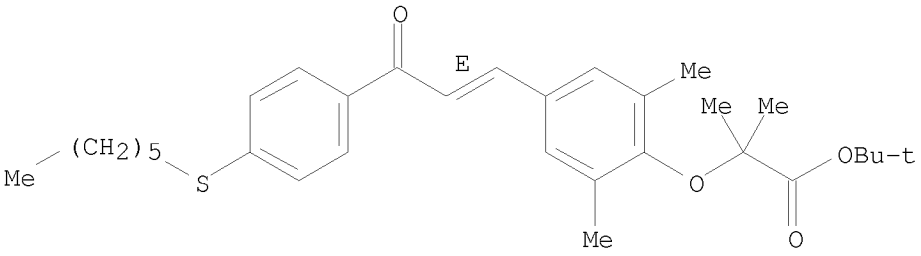
RN 923978-79-4 CAPLUS
CN Propanoic acid, 2-[4-[(1E)-3-(4-methoxyphenyl)-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl- (CA INDEX NAME)

Double bond geometry as shown.



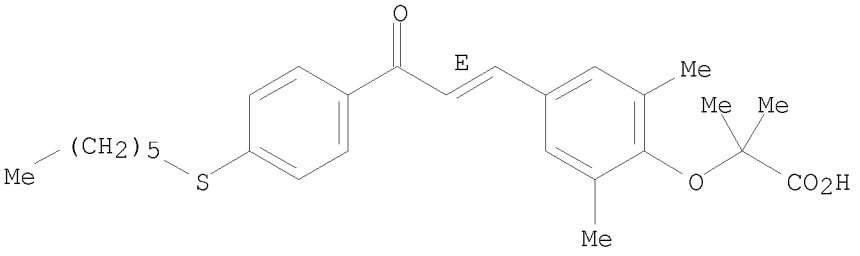
RN 923978-82-9 CAPLUS
CN Propanoic acid, 2-[4-[(1E)-3-[4-(hexylthio)phenyl]-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)

Double bond geometry as shown.

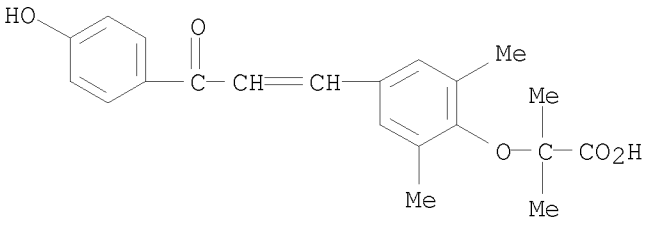


RN 923978-83-0 CAPLUS
CN Propanoic acid, 2-[4-[(1E)-3-[4-(hexylthio)phenyl]-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl- (CA INDEX NAME)

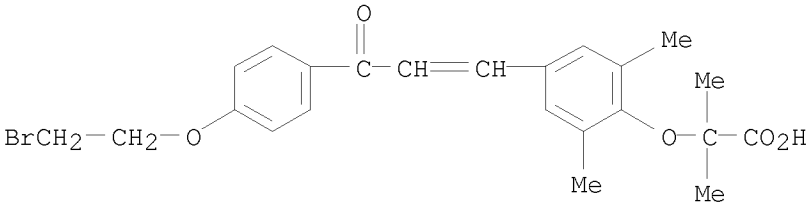
Double bond geometry as shown.



RN 923978-94-3 CAPLUS
CN Propanoic acid, 2-[4-[3-(4-hydroxyphenyl)-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl- (CA INDEX NAME)



RN 923978-95-4 CAPLUS
CN Propanoic acid, 2-[4-[3-[4-(2-bromoethoxy)phenyl]-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl- (CA INDEX NAME)



L3 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2005:729631 CAPLUS
DOCUMENT NUMBER: 143:193809
TITLE: Preparation of 1,3-diphenyl-2-propen-1-one as PPAR activators, particularly agonists, and antioxidants and their pharmaceutical and cosmetic compositions
INVENTOR(S): Caumont-Bertrand, Karine; Delhomel, Jean-Francois
PATENT ASSIGNEE(S): Genfit, Fr.
SOURCE: PCT Int. Appl., 153 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005073184	A1	20050811	WO 2005-FR40	20050107
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
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FR 2864956	A1	20050715	FR 2004-123	20040108
FR 2864956	B1	20060428		

AU 2005209446	A1	20050811	AU 2005-209446			20050107
CA 2550576	A1	20050811	CA 2005-2550576			20050107
EP 1701938	A1	20060920	EP 2005-717386			20050107
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, BA, HR, IS, YU						
CN 1930122	A	20070314	CN 2005-80007226			20050107
BR 2005006718	A	20070502	BR 2005-6718			20050107
JP 2007517841	T	20070705	JP 2006-548344			20050107
NO 2006002824	A	20061005	NO 2006-2824			20060616
IN 2006DN03732	A	20070420	IN 2006-DN3732			20060629
US 20080058412	A1	20080306	US 2006-585329			20060706
US 7547729	B2	20090616				
MX 2006007867	A	20060926	MX 2006-7867			20060707
KR 2006132903	A	20061222	KR 2006-715988			20060808
PRIORITY APPLN. INFO.:			FR 2004-123	A		20040108
			FR 2004-9257	A		20040901
			WO 2005-FR40	W		20050107

OTHER SOURCE(S): MARPAT 143:193809
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Title compds. I [X7 = (un)substituted O-alkyl, S-alkyl; X1-X5 = independently halo, thionitroso, alkoxy, aryloxy, S-alkyl, etc.; X6, X8 = independently H, halo, alkoxy, etc.; with provisos; with the exclusion of certain compds.] were prepared as peroxisome proliferator-activated receptor agonists and antioxidants. Ten biol. examples are given. For example, (E)-II (m.p. = 177-179°) was prepared via condensation of 3,5-dimethyl-4-methylthioacetophenone (preparation given) with 3,5-dimethyl-4-hydroxybenzaldehyde, followed by O-alkylation of phenol with tert-Bu bromoisobutyrate and acidolysis of the ester. (E)-III displayed antioxidant properties as demonstrated by diminution of the production of conjugated dienes after Cu-induced LDL oxidation by 90%. (E)-II showed induced luciferase activity via PPARα/Gal4 transactivation with an induction factor of 17.05 at 1 μM. I are useful for treating cardiovascular diseases, dyslipidemia, syndrome X, diabetes, obesity, hypertension, inflammations, dermatol. diseases, cerebral ischemia and the disorders related tot he oxidative stress, for treating aging, in particular cutaneous aging.

IT 858420-74-3P, (E)-1-[4-[[2-(Pentylthio)ethyl]oxy]phenyl]-3-[4-[[[(tert-butyloxy)carbonyl]dimethylmethyl]oxy]-3,5-dimethylphenyl]prop-2-en-1-one 858420-76-5P, (E)-1-(4-Hydroxy-3,5-dimethylphenyl)-3-[4-[[[(tert-butyloxy)carbonyl]dimethylmethyl]oxy]-3,5-dimethylphenyl]prop-2-en-1-one 858420-78-7P, (E)-1-[4-[[5-([1,2]Dithiolan-3-yl)pentyl]oxy]phenyl]-3-[4-[[[(tert-butyloxy)carbonyl]dimethylmethyl]oxy]-3,5-dimethylphenyl]prop-2-en-1-one 862099-07-8P, (E)-1-[4-[(2-Cyclohexylethyl)oxy]phenyl]-3-[4-[[[(tert-butyloxy)carbonyl]dimethylmethyl]oxy]-3,5-dimethylphenyl]prop-2-en-1-one 862099-09-0P, (E)-1-(4-Methylthio-3,5-dimethylphenyl)-3-[4-[[[(tert-butyloxy)carbonyl]dimethylmethyl]oxy]-3,5-dimethylphenyl]prop-2-en-1-one 862099-11-4P, (E)-1-(4-Propyloxy-3,5-dimethylphenyl)-3-[4-[[[(tert-butyloxy)carbonyl]dimethylmethyl]oxy]-3,5-dimethylphenyl]prop-2-en-1-one 862099-13-6P, (E)-1-(4-Methoxy-3,5-dimethylphenyl)-3-[4-[[[(tert-butyloxy)carbonyl]dimethylmethyl]oxy]-3,5-dimethylphenyl]prop-2-en-1-one 862099-15-8P, (E)-1-(4-Hexyloxy-3,5-dimethylphenyl)-3-[4-[[[(tert-butyloxy)carbonyl]dimethylmethyl]oxy]-3,5-dimethylphenyl]prop-2-en-1-one 862099-17-0P, (E)-1-[4-[(2-Cyclohexylethyl)oxy]-3,5-

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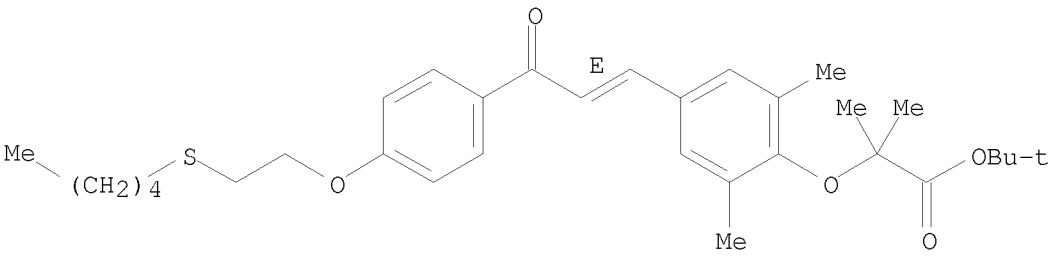
RL: COS (Cosmetic use); PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(drug candidate; preparation of 1,3-di-Ph-2-propen-1-one as PPAR agonists and antioxidants and their pharmaceutical and cosmetic compns.)

RN 858420-74-3 CAPLUS

CN Propanoic acid, 2-[2,6-dimethyl-4-[(1E)-3-oxo-3-[4-[2-(pentylthio)ethoxy]phenyl]-1-propen-1-yl]phenoxy]-2-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)

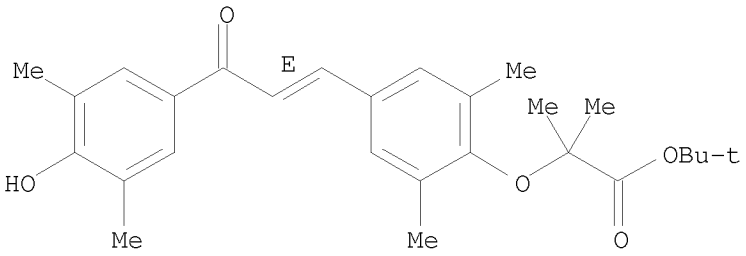
Double bond geometry as shown.



RN 858420-76-5 CAPLUS

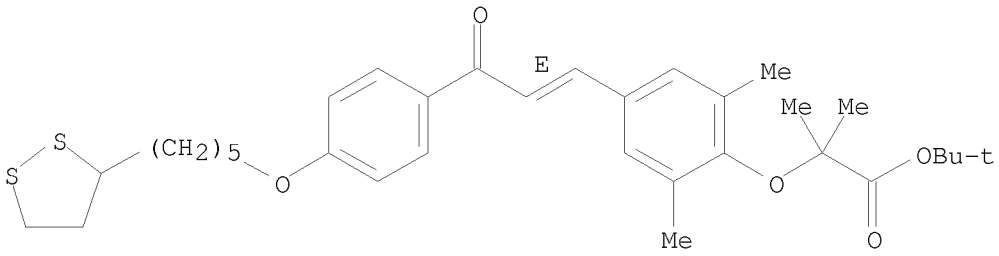
CN Propanoic acid, 2-[4-[(1E)-3-(4-hydroxy-3,5-dimethylphenyl)-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)

Double bond geometry as shown.



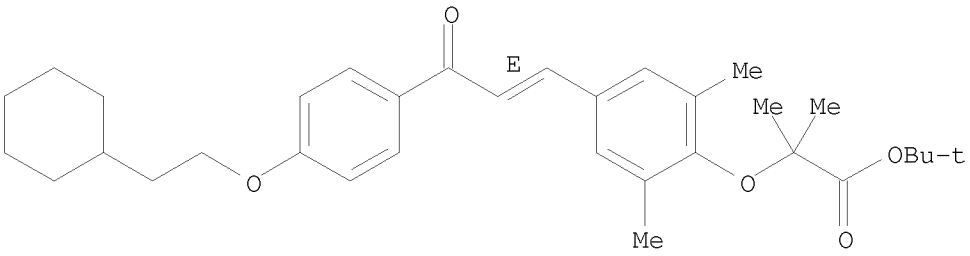
RN 858420-78-7 CAPLUS
CN Propanoic acid, 2-[4-[(1E)-3-[4-[[5-(1,2-dithiolan-3-yl)pentyl]oxy]phenyl]-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)

Double bond geometry as shown.



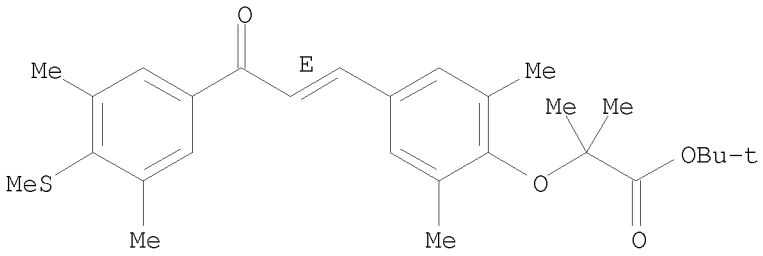
RN 862099-07-8 CAPLUS
CN Propanoic acid, 2-[4-[(1E)-3-[4-(2-cyclohexylethoxy)phenyl]-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)

Double bond geometry as shown.



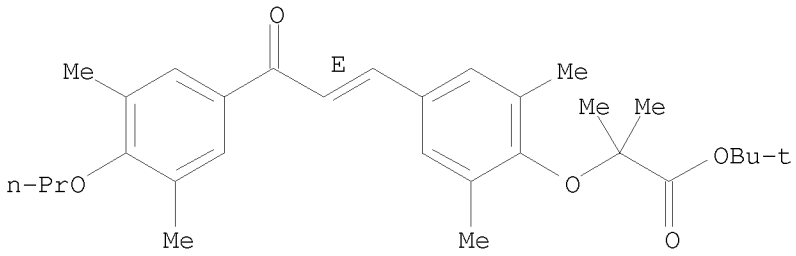
RN 862099-09-0 CAPLUS
CN Propanoic acid, 2-[4-[(1E)-3-[3,5-dimethyl-4-(methylthio)phenyl]-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)

Double bond geometry as shown.



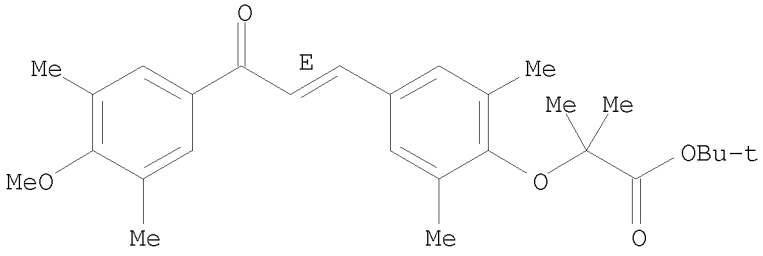
RN 862099-11-4 CAPLUS
CN Propanoic acid, 2-[4-[(1E)-3-(3,5-dimethyl-4-propoxyphenyl)-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)

Double bond geometry as shown.



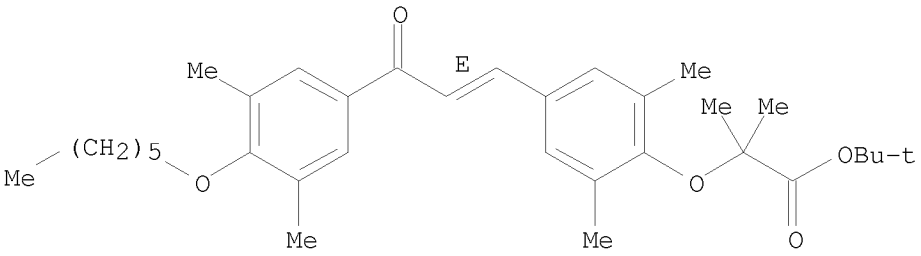
RN 862099-13-6 CAPLUS
CN Propanoic acid, 2-[4-[(1E)-3-(4-methoxy-3,5-dimethylphenyl)-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)

Double bond geometry as shown.



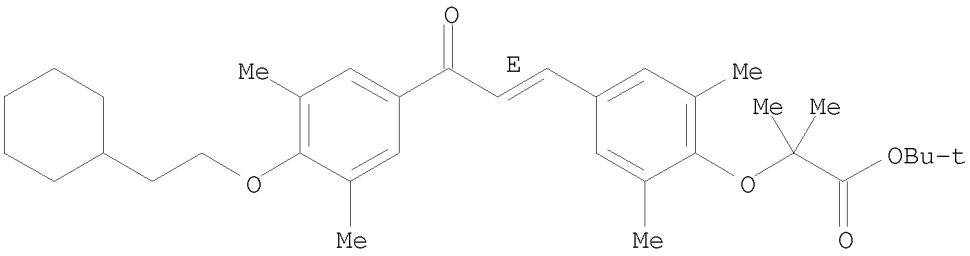
RN 862099-15-8 CAPLUS
CN Propanoic acid, 2-[4-[(1E)-3-[4-(hexyloxy)-3,5-dimethylphenyl]-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)

Double bond geometry as shown.



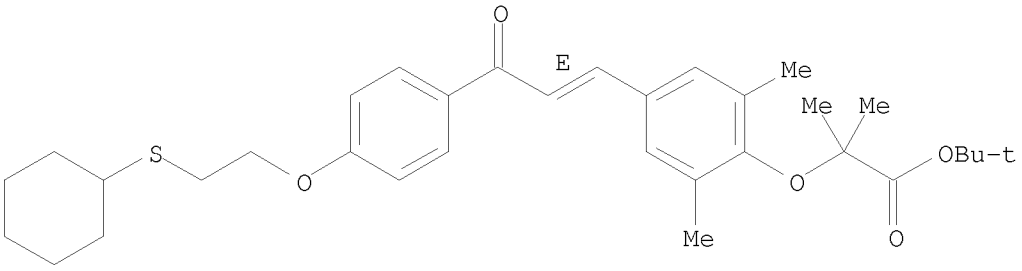
RN 862099-17-0 CAPLUS
CN Propanoic acid, 2-[4-[(1E)-3-[4-(2-cyclohexylethoxy)-3,5-dimethylphenyl]-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)

Double bond geometry as shown.



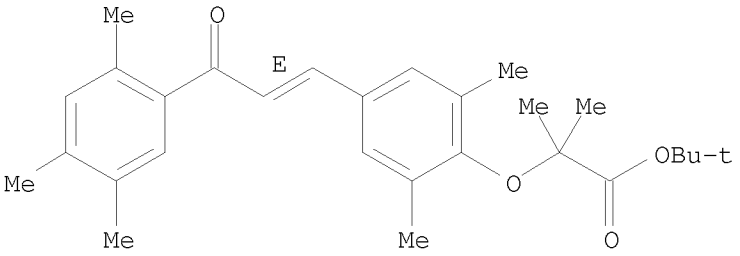
RN 862099-19-2 CAPLUS
CN Propanoic acid, 2-[4-[(1E)-3-[4-[2-(cyclohexylthio)ethoxy]phenyl]-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)

Double bond geometry as shown.



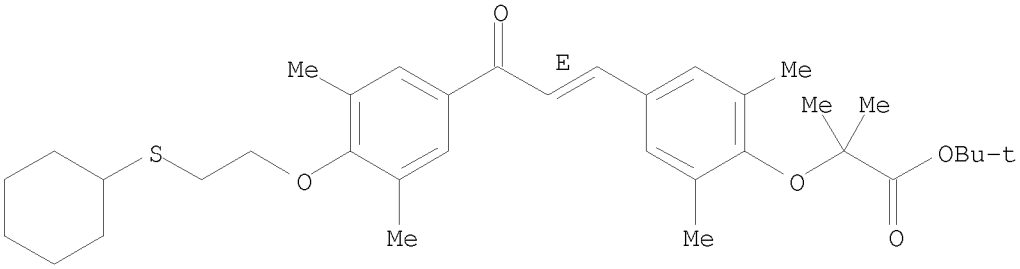
RN 862099-21-6 CAPLUS
CN Propanoic acid, 2-[2,6-dimethyl-4-[(1E)-3-oxo-3-(2,4,5-trimethylphenyl)-1-propen-1-yl]phenoxy]-2-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)

Double bond geometry as shown.



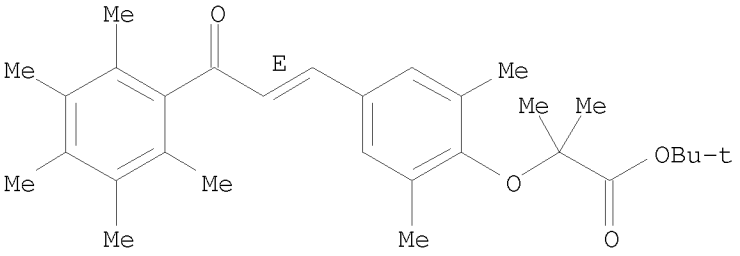
RN 862099-23-8 CAPLUS
CN Propanoic acid, 2-[4-[(1E)-3-[4-[2-(cyclohexylthio)ethoxy]-3,5-dimethylphenyl]-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)

Double bond geometry as shown.



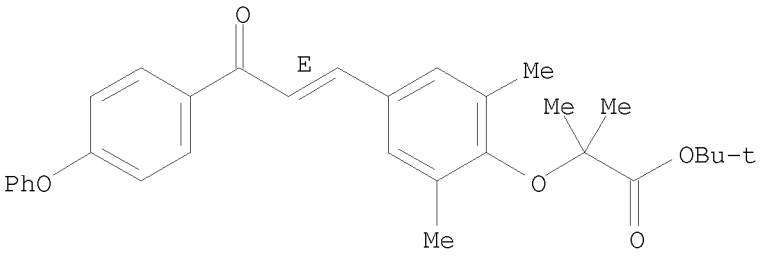
RN 862099-27-2 CAPLUS
CN Propanoic acid, 2-[2,6-dimethyl-4-[(1E)-3-oxo-3-(2,3,4,5,6-pentamethylphenyl)-1-propen-1-yl]phenoxy]-2-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)

Double bond geometry as shown.



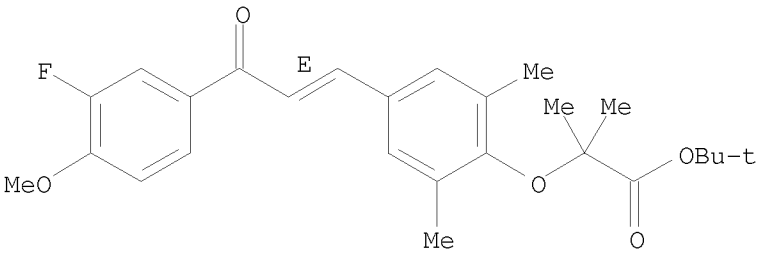
RN 862099-29-4 CAPLUS
CN Propanoic acid, 2-[2,6-dimethyl-4-[(1E)-3-oxo-3-(4-phenoxyphenyl)-1-propen-1-yl]phenoxy]-2-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)

Double bond geometry as shown.



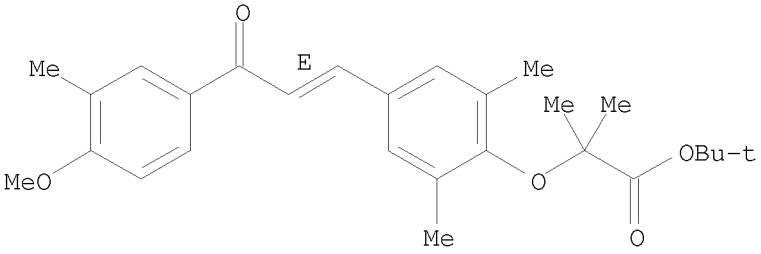
RN 862099-31-8 CAPLUS
CN Propanoic acid, 2-[4-[(1E)-3-(3-fluoro-4-methoxyphenyl)-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)

Double bond geometry as shown.



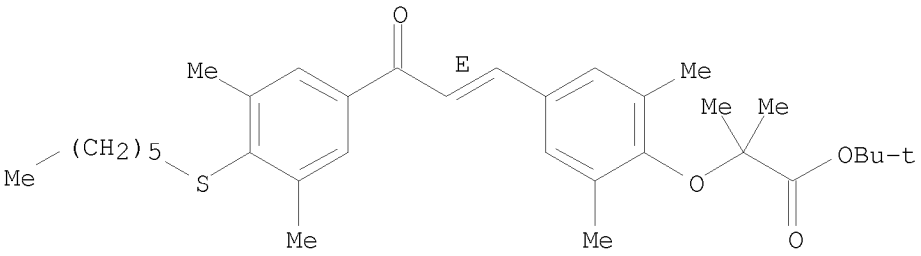
RN 862099-33-0 CAPLUS
CN Propanoic acid, 2-[4-[(1E)-3-(4-methoxy-3-methylphenyl)-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)

Double bond geometry as shown.



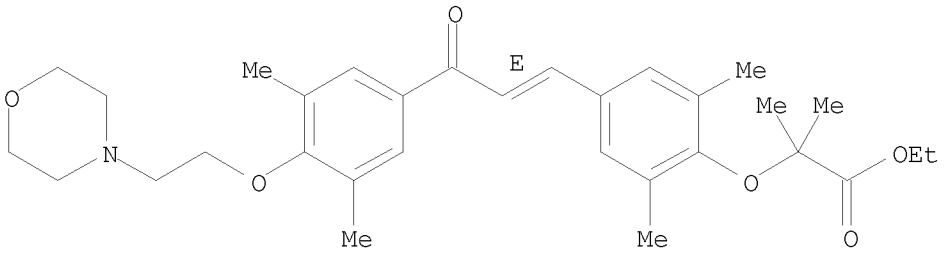
RN 862099-35-2 CAPLUS
CN Propanoic acid, 2-[4-[(1E)-3-[4-(hexylthio)-3,5-dimethylphenyl]-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)

Double bond geometry as shown.



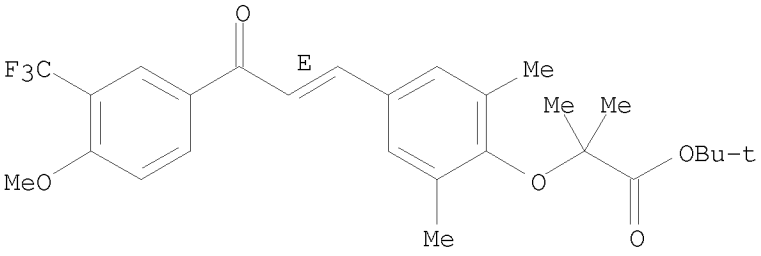
RN 862099-39-6 CAPLUS
CN Propanoic acid, 2-[4-[(1E)-3-[3,5-dimethyl-4-[2-(4-morpholinyl)ethoxy]phenyl]-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl-, ethyl ester, hydrochloride (1:1) (CA INDEX NAME)

Double bond geometry as shown.



RN 862099-43-2 CAPLUS
CN Propanoic acid, 2-[4-[(1E)-3-[4-methoxy-3-(trifluoromethyl)phenyl]-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)

Double bond geometry as shown.



IT 858420-75-4P, (E)-1-[4-[[2-(Pentylthio)ethyl]oxy]phenyl]-3-[4-[(carboxydimethylmethyl)oxy]-3,5-dimethylphenyl]prop-2-en-1-one
858420-77-6P, (E)-1-(4-Hydroxy-3,5-dimethylphenyl)-3-[4-[(carboxydimethylmethyl)oxy]-3,5-dimethylphenyl]prop-2-en-1-one
858420-79-8P, (E)-1-[4-[[5-([1,2]Dithiolan-3-yl)pentyl]oxy]phenyl]-3-[4-[(carboxydimethylmethyl)oxy]-3,5-dimethylphenyl]prop-2-en-1-one
858420-83-4P, 1-[4-[[2-(Pentylthio)ethyl]oxy]phenyl]-3-[4-[(carboxydimethylmethyl)oxy]-3,5-dimethylphenyl]prop-2-en-1-one
858420-84-5P, 1-[4-[[2-(Cyclohexylthio)ethyl]oxy]phenyl]-3-[4-[(carboxydimethylmethyl)oxy]-3,5-dimethylphenyl]prop-2-en-1-one

858420-86-7P, 1-(4-Hydroxy-3,5-dimethylphenyl)-3-[4-
[(carboxydimethylmethyl)oxy]-3,5-dimethylphenyl]prop-2-en-1-one
858420-87-8P, 1-(4-Methoxy-3,5-dimethylphenyl)-3-[4-
[(carboxydimethylmethyl)oxy]-3,5-dimethylphenyl]prop-2-en-1-one
858420-88-9P, 1-[4-[[5-([1,2]Dithiolan-3-yl)pentyl]oxy]-3,5-
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2-en-1-one 858420-89-0P,
1-[4-[[5-([1,2]Dithiolan-3-yl)pentyl]oxy]phenyl]-3-[4-
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858420-91-4P, 1-(4-Mercapto-3,5-dimethylphenyl)-3-[4-
[(carboxydimethylmethyl)oxy]-3,5-dimethylphenyl]prop-2-en-1-one
858420-92-5P, 1-(4-Methylthio-3,5-dimethylphenyl)-3-[4-
[(carboxydimethylmethyl)oxy]-3,5-dimethylphenyl]prop-2-en-1-one
858420-93-6P, 1-[4-[(2-Cyclohexylethyl)thio]-3,5-dimethylphenyl]-3-
[4-[(carboxydimethylmethyl)oxy]-3,5-dimethylphenyl]prop-2-en-1-one
858420-94-7P, 1-(4-Hexylthio-3,5-dimethylphenyl)-3-[4-
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858420-95-8P, 1-(2,5-Dihydroxy-3,4,6-trimethylphenyl)-3-[4-
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858420-96-9P, 1-(2,5-Dimethoxy-3,4,6-trimethylphenyl)-3-[4-
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858420-99-2P, 1-[4-[(2-Phenylethyl)oxy]phenyl]-3-[4-
[(carboxydimethylmethyl)oxy]-3,5-dimethylphenyl]prop-2-en-1-one
858421-00-8P, 1-[4-[[2-(Morpholin-4-yl)ethyl]oxy]phenyl]-3-[4-
[(carboxydimethylmethyl)oxy]-3,5-dimethylphenyl]prop-2-en-1-one
862098-83-7P, 1-[3,5-Dimethyl-4-[[2-(morpholin-4-
yl)ethyl]oxy]phenyl]-3-[4-[[[(ethyloxy)carbonyl]dimethylmethyl]oxy]-3,5-
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1-[3,5-Dimethyl-4-[[2-(morpholin-4-yl)ethyl]oxy]phenyl]-3-[4-
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862099-08-9P, (E)-1-[4-[(2-Cyclohexylethyl)oxy]phenyl]-3-[4-
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862099-10-3P, (E)-1-(4-Methylthio-3,5-dimethylphenyl)-3-[4-
[(carboxydimethylmethyl)oxy]-3,5-dimethylphenyl]prop-2-en-1-one
862099-12-5P, (E)-1-(4-Propyloxy-3,5-dimethylphenyl)-3-[4-
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862099-14-7P, (E)-1-(4-Methoxy-3,5-dimethylphenyl)-3-[4-
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862099-16-9P, (E)-1-(4-Hexyloxy-3,5-dimethylphenyl)-3-[4-
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862099-18-1P, (E)-1-[4-[(2-Cyclohexylethyl)oxy]-3,5-
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862099-24-9P, (E)-1-[4-[[2-(Cyclohexylthio)ethyl]oxy]-3,5-
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(E)-1-(4-Phenyloxyphenyl)-3-[4-[(carboxydimethylmethyl)oxy]-3,5-
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(E)-1-(4-Methoxy-3-fluorophenyl)-3-[4-[(carboxydimethylmethyl)oxy]-3,5-
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(E)-1-(4-Methoxy-3-methylphenyl)-3-[4-[(carboxydimethylmethyl)oxy]-3,5-
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(E)-1-[4-(Hexylthio)-3,5-dimethylphenyl]-3-[4-[(carboxydimethylmethyl)oxy]-
3,5-dimethylphenyl]prop-2-en-1-one 862099-40-9P,
(E)-1-[3,5-Dimethyl-4-[[2-(morpholin-4-yl)ethyl]oxy]phenyl]-3-[4-
[(carboxydimethylmethyl)oxy]-3,5-dimethylphenyl]prop-2-en-1-one

862099-44-3P, (E)-1-(4-Methoxy-3-trifluoromethylphenyl)-3-[4-
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862099-47-6P, 1-[4-[[2-(Pentylthio)ethyl]oxy]phenyl]-3-[4-[[[(tert-
butyloxy)carbonyl]dimethylmethyl]oxy]-3,5-dimethylphenyl]prop-2-en-1-one
862099-49-8P, 1-(4-Hydroxy-3,5-dimethylphenyl)-3-[4-[[[(tert-
butyloxy)carbonyl]dimethylmethyl]oxy]-3,5-dimethylphenyl]prop-2-en-1-one
862099-51-2P, 1-[4-[[5-([1,2]Dithiolan-3-yl)pentyl]oxy]phenyl]-3-
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862099-58-9P, 1-(4-Methylthio-3,5-dimethylphenyl)-3-[4-[[[(tert-
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862099-59-0P, 1-(4-Propyloxy-3,5-dimethylphenyl)-3-[4-[[[(tert-
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862099-60-3P, 1-(4-Propyloxy-3,5-dimethylphenyl)-3-[4-
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862099-61-4P, 1-(4-Methoxy-3,5-dimethylphenyl)-3-[4-[[[(tert-
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862099-62-5P, 1-(4-Hexyloxy-3,5-dimethylphenyl)-3-[4-[[[(tert-
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862099-63-6P, 1-(4-Hexyloxy-3,5-dimethylphenyl)-3-[4-
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862099-64-7P, 1-[4-[(2-Cyclohexylethyl)oxy]-3,5-dimethylphenyl]-3-
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862099-74-9P, 1-(2,3,4,5,6-Pentamethylphenyl)-3-[4-
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862099-78-3P, 1-(4-Methoxy-3-fluorophenyl)-3-[4-
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862099-79-4P, 1-(4-Methoxy-3-methylphenyl)-3-[4-[[[(tert-
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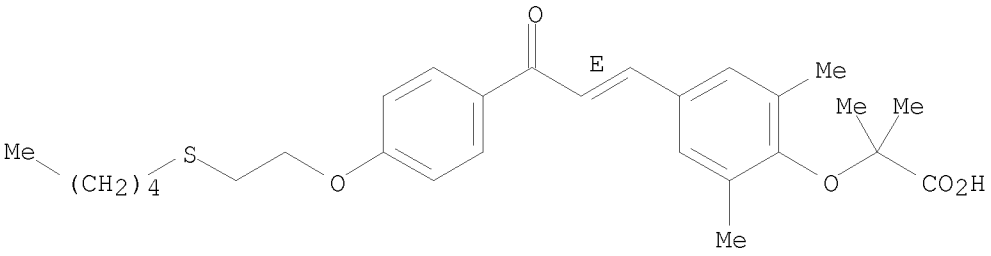
[(carboxydimethylmethyl)oxy]-3,5-dimethylphenyl]prop-2-en-1-one
862099-81-8P, 1-[4-(Hexylthio)-3,5-dimethylphenyl]-3-[4-[[[(tert-
butyloxy)carbonyl]dimethylmethyl]oxy]-3,5-dimethylphenyl]prop-2-en-1-one
862099-85-2P, 1-(4-Methoxy-3-trifluoromethylphenyl)-3-[4-[[[(tert-
butyloxy)carbonyl]dimethylmethyl]oxy]-3,5-dimethylphenyl]prop-2-en-1-one
862099-86-3P, 1-(4-Methoxy-3-trifluoromethylphenyl)-3-[4-

[(carboxydimethylmethyl)oxy]-3,5-dimethylphenyl]prop-2-en-1-one
RL: COS (Cosmetic use); PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(drug candidate; preparation of 1,3-di-Ph-2-propen-1-one as PPAR agonists and antioxidants and their pharmaceutical and cosmetic compns.)

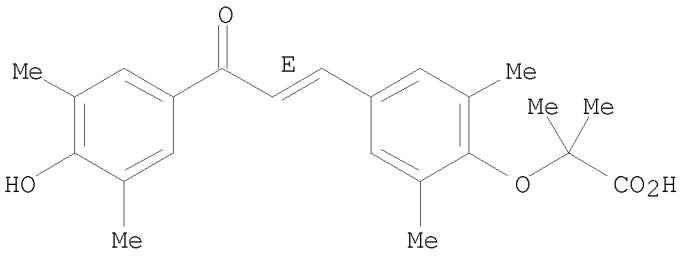
RN 858420-75-4 CAPLUS
CN Propanoic acid, 2-[2,6-dimethyl-4-[(1E)-3-oxo-3-[4-[2-(pentylthio)ethoxy]phenyl]-1-propen-1-yl]phenoxy]-2-methyl- (CA INDEX NAME)

Double bond geometry as shown.



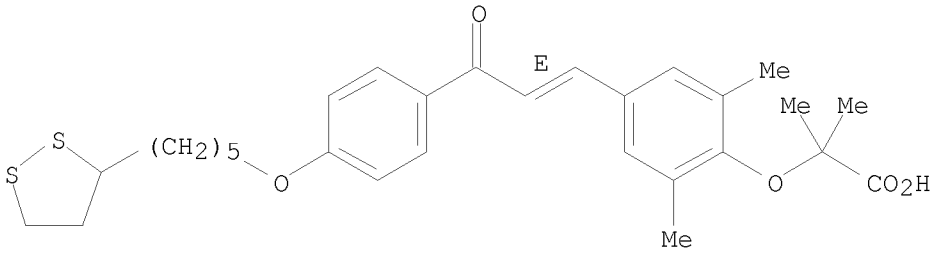
RN 858420-77-6 CAPLUS
CN Propanoic acid, 2-[4-[(1E)-3-(4-hydroxy-3,5-dimethylphenyl)-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl- (CA INDEX NAME)

Double bond geometry as shown.

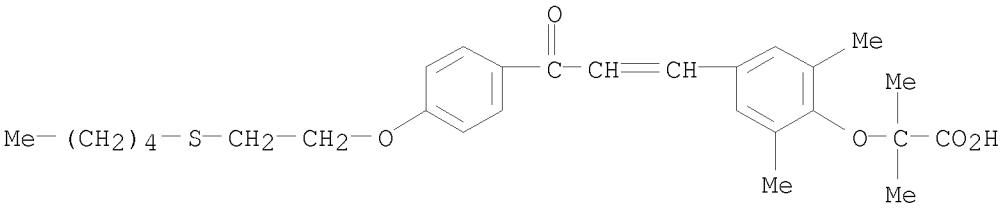


RN 858420-79-8 CAPLUS
CN Propanoic acid, 2-[4-[(1E)-3-[4-[[5-(1,2-dithiolan-3-yl)pentyl]oxy]phenyl]-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl- (CA INDEX NAME)

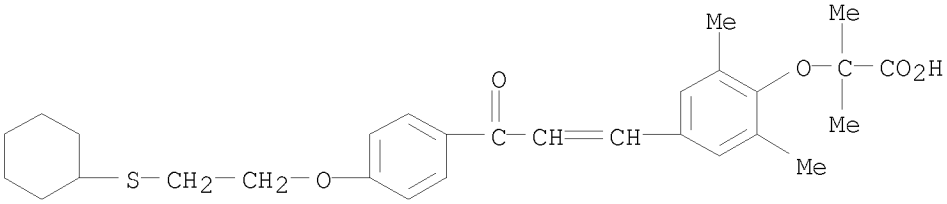
Double bond geometry as shown.



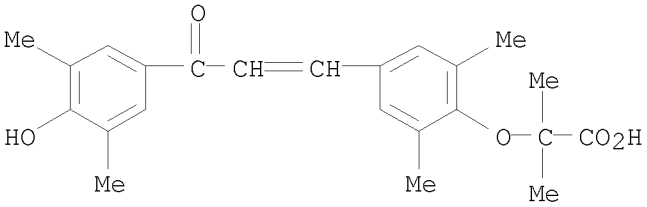
RN 858420-83-4 CAPLUS
CN Propanoic acid, 2-[2,6-dimethyl-4-[3-oxo-3-[4-[2-(pentylthio)ethoxy]phenyl]-1-propen-1-yl]phenoxy]-2-methyl- (CA INDEX NAME)



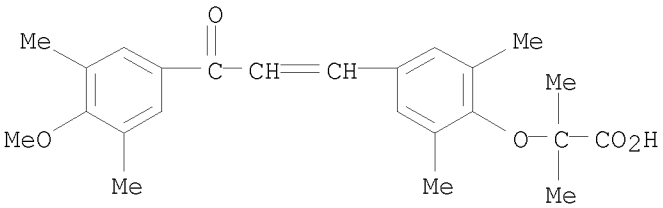
RN 858420-84-5 CAPLUS
CN Propanoic acid, 2-[4-[3-[4-[2-(cyclohexylthio)ethoxy]phenyl]-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl- (CA INDEX NAME)



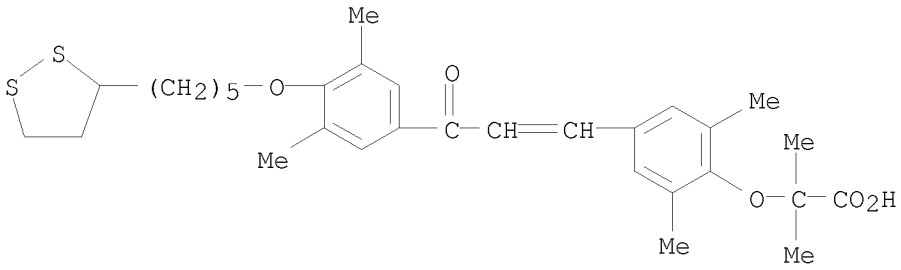
RN 858420-86-7 CAPLUS
CN Propanoic acid, 2-[4-[3-(4-hydroxy-3,5-dimethylphenyl)-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl- (CA INDEX NAME)



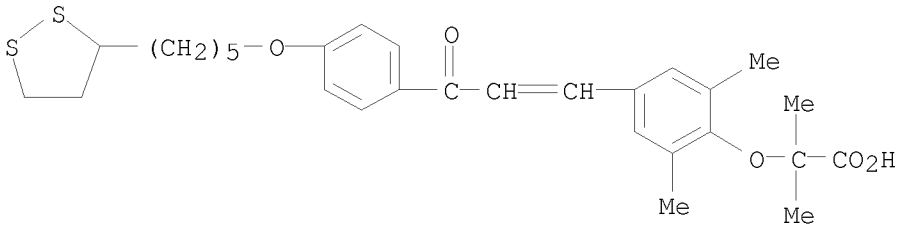
RN 858420-87-8 CAPLUS
CN Propanoic acid, 2-[4-[3-(4-methoxy-3,5-dimethylphenyl)-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl- (CA INDEX NAME)



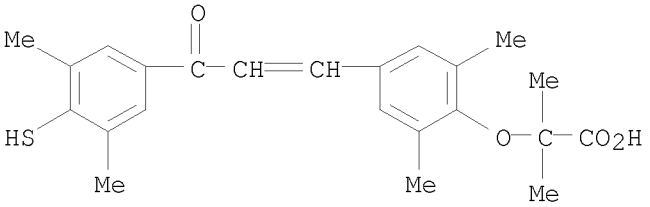
RN 858420-88-9 CAPLUS
CN Propanoic acid, 2-[4-[3-[4-[[5-(1,2-dithiolan-3-yl)pentyl]oxy]-3,5-dimethylphenyl]-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl- (CA INDEX NAME)



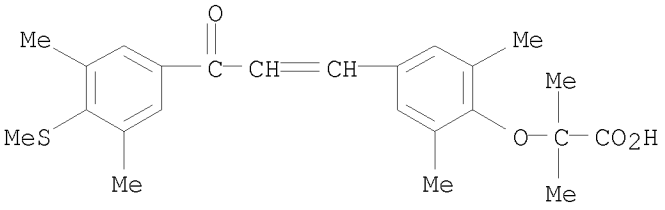
RN 858420-89-0 CAPLUS
CN Propanoic acid, 2-[4-[3-[4-[[5-(1,2-dithiolan-3-yl)pentyl]oxy]phenyl]-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl- (CA INDEX NAME)



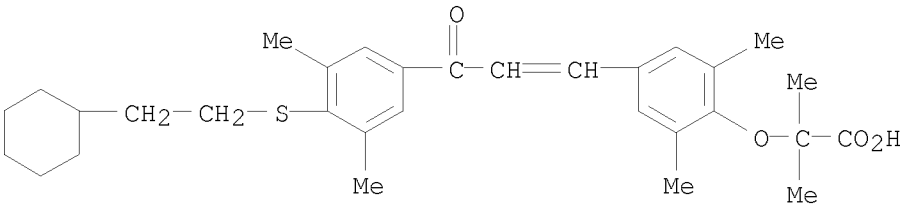
RN 858420-91-4 CAPLUS
CN Propanoic acid, 2-[4-[3-(4-mercapto-3,5-dimethylphenyl)-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl- (CA INDEX NAME)



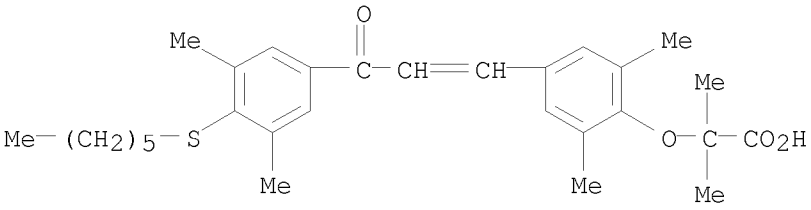
RN 858420-92-5 CAPLUS
CN Propanoic acid, 2-[4-[3-[3,5-dimethyl-4-(methylthio)phenyl]-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl- (CA INDEX NAME)



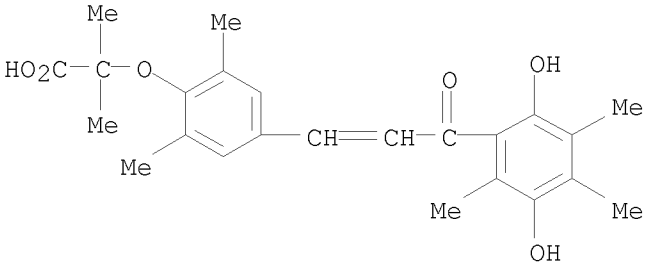
RN 858420-93-6 CAPLUS
CN Propanoic acid, 2-[4-[3-[4-[(2-cyclohexylethyl)thio]-3,5-dimethylphenyl]-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl- (CA INDEX NAME)



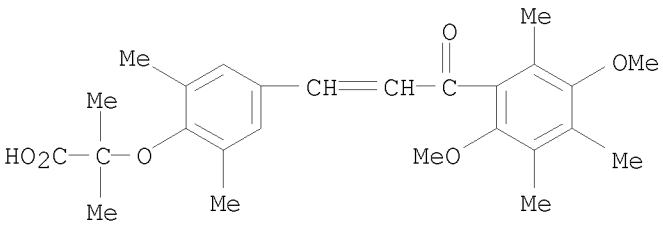
RN 858420-94-7 CAPLUS
CN Propanoic acid, 2-[4-[3-[4-(hexylthio)-3,5-dimethylphenyl]-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl- (CA INDEX NAME)



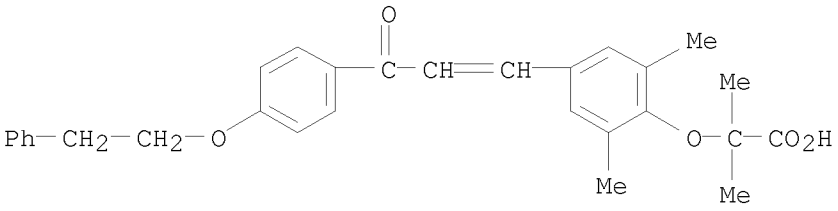
RN 858420-95-8 CAPLUS
CN Propanoic acid, 2-[4-[3-(2,5-dihydroxy-3,4,6-trimethylphenyl)-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl- (CA INDEX NAME)



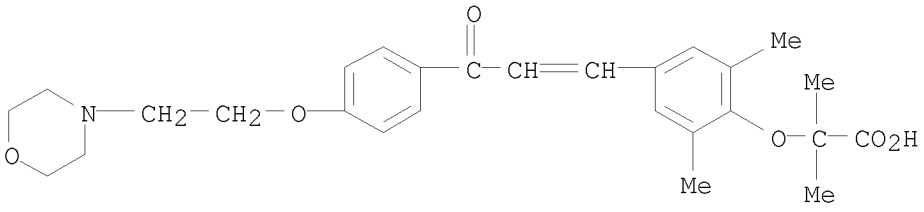
RN 858420-96-9 CAPLUS
CN Propanoic acid, 2-[4-[3-(2,5-dimethoxy-3,4,6-trimethylphenyl)-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl- (CA INDEX NAME)



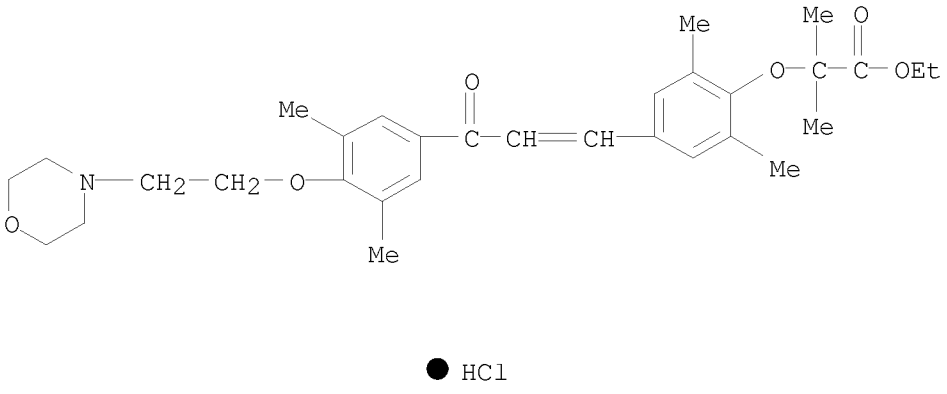
RN 858420-99-2 CAPLUS
CN Propanoic acid, 2-[2,6-dimethyl-4-[3-oxo-3-[4-(2-phenylethoxy)phenyl]-1-propen-1-yl]phenoxy]-2-methyl- (CA INDEX NAME)



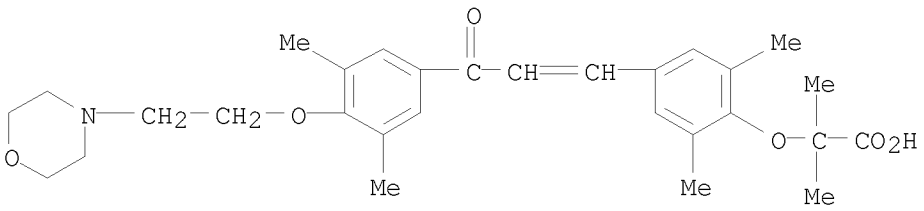
RN 858421-00-8 CAPLUS
CN Propanoic acid, 2-[2,6-dimethyl-4-[3-[4-[2-(4-morpholinyl)ethoxy]phenyl]-3-oxo-1-propen-1-yl]phenoxy]-2-methyl- (CA INDEX NAME)



RN 862098-83-7 CAPLUS
CN Propanoic acid, 2-[4-[3-[3,5-dimethyl-4-[2-(4-morpholinyl)ethoxy]phenyl]-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl-, ethyl ester, hydrochloride (1:1) (CA INDEX NAME)



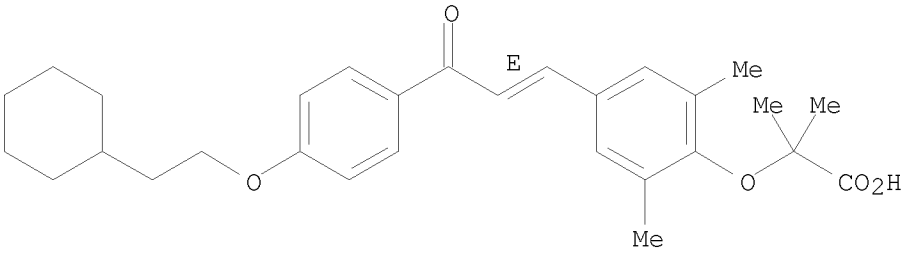
RN 862098-91-7 CAPLUS
CN Propanoic acid, 2-[4-[3-[3,5-dimethyl-4-[2-(4-morpholinyl)ethoxy]phenyl]-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl- (CA INDEX NAME)



RN 862099-08-9 CAPLUS
CN Propanoic acid, 2-[4-[(1E)-3-[4-(2-cyclohexylethoxy)phenyl]-3-oxo-1-propen-

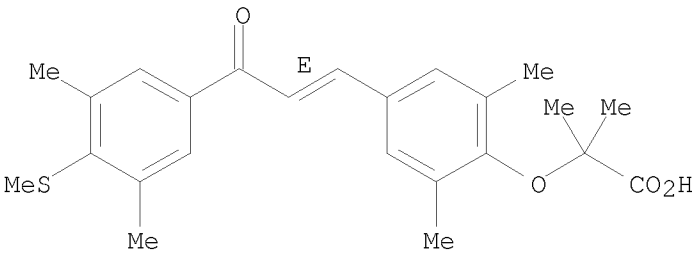
1-yl]-2,6-dimethylphenoxy]-2-methyl- (CA INDEX NAME)

Double bond geometry as shown.



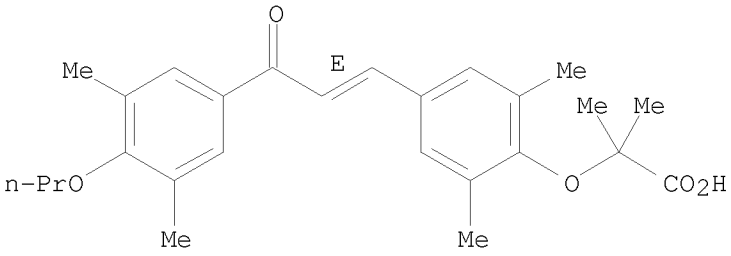
RN 862099-10-3 CAPLUS
CN Propanoic acid, 2-[4-[(1E)-3-[3,5-dimethyl-4-(methylthio)phenyl]-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl- (CA INDEX NAME)

Double bond geometry as shown.



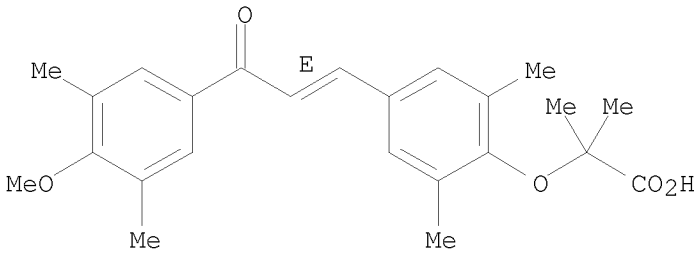
RN 862099-12-5 CAPLUS
CN Propanoic acid, 2-[4-[(1E)-3-(3,5-dimethyl-4-propoxyphenyl)-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl- (CA INDEX NAME)

Double bond geometry as shown.



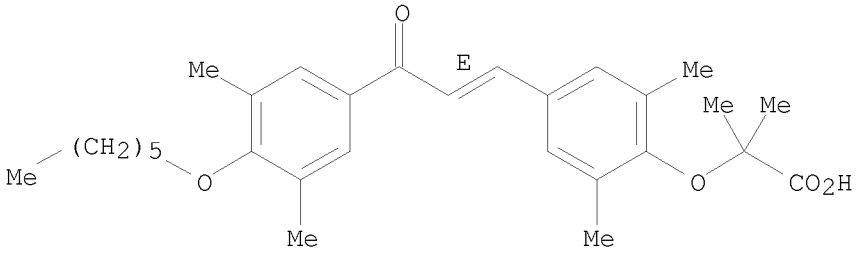
RN 862099-14-7 CAPLUS
CN Propanoic acid, 2-[4-[(1E)-3-(4-methoxy-3,5-dimethylphenyl)-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl- (CA INDEX NAME)

Double bond geometry as shown.



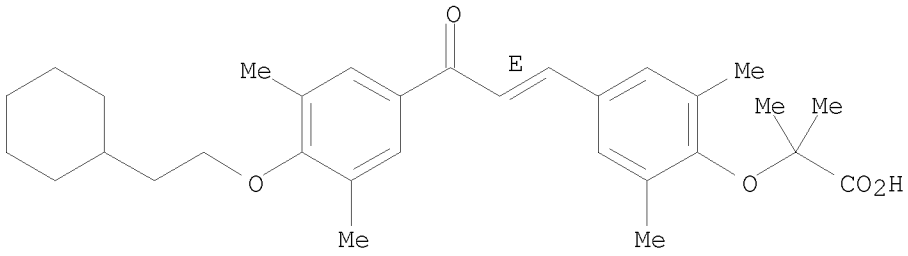
RN 862099-16-9 CAPLUS
CN Propanoic acid, 2-[4-[(1E)-3-[4-(hexyloxy)-3,5-dimethylphenyl]-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl- (CA INDEX NAME)

Double bond geometry as shown.



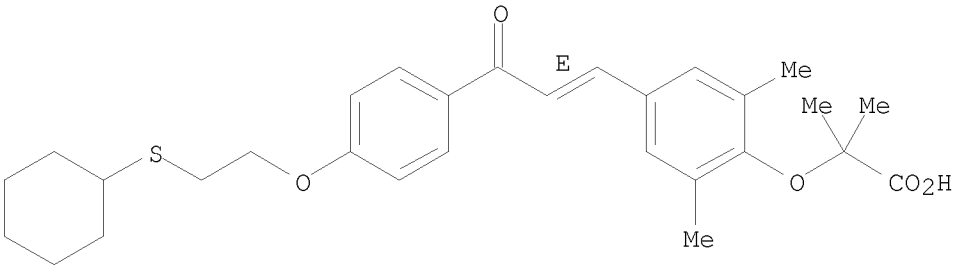
RN 862099-18-1 CAPLUS
CN Propanoic acid, 2-[4-[(1E)-3-[4-(2-cyclohexylethoxy)-3,5-dimethylphenyl]-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl- (CA INDEX NAME)

Double bond geometry as shown.



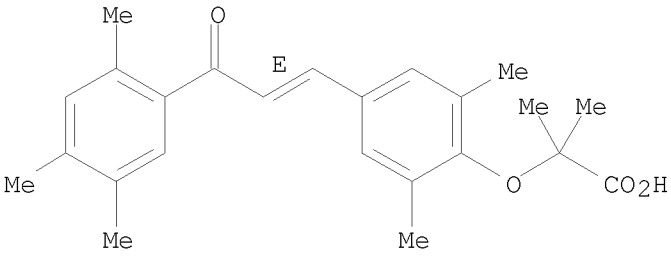
RN 862099-20-5 CAPLUS
CN Propanoic acid, 2-[4-[(1E)-3-[4-[2-(cyclohexylthio)ethoxy]phenyl]-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl- (CA INDEX NAME)

Double bond geometry as shown.



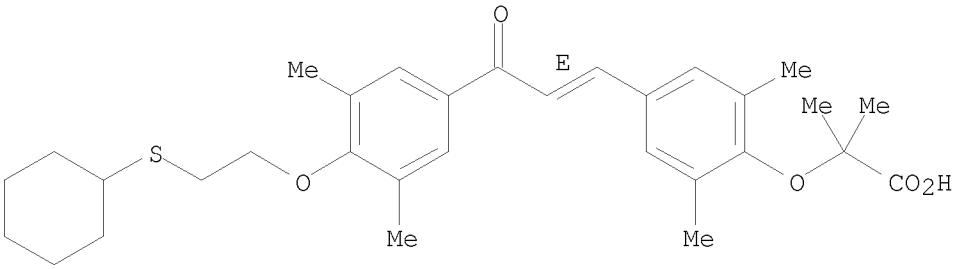
RN 862099-22-7 CAPLUS
CN Propanoic acid, 2-[2,6-dimethyl-4-[(1E)-3-oxo-3-(2,4,5-trimethylphenyl)-1-propen-1-yl]phenoxy]-2-methyl- (CA INDEX NAME)

Double bond geometry as shown.



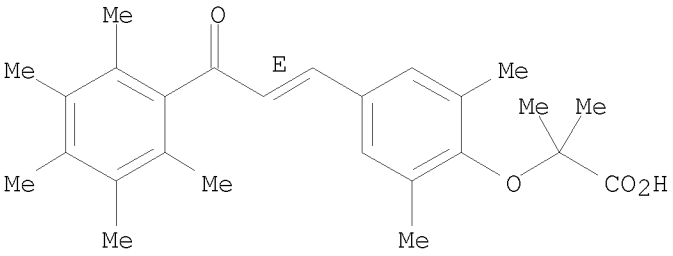
RN 862099-24-9 CAPLUS
CN Propanoic acid, 2-[4-[(1E)-3-[4-[2-(cyclohexylthio)ethoxy]-3,5-dimethylphenyl]-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl- (CA INDEX NAME)

Double bond geometry as shown.



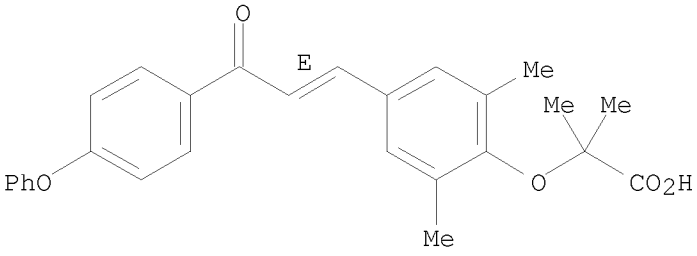
RN 862099-28-3 CAPLUS
CN Propanoic acid, 2-[2,6-dimethyl-4-[(1E)-3-oxo-3-(2,3,4,5,6-pentamethylphenyl)-1-propen-1-yl]phenoxy]-2-methyl- (CA INDEX NAME)

Double bond geometry as shown.



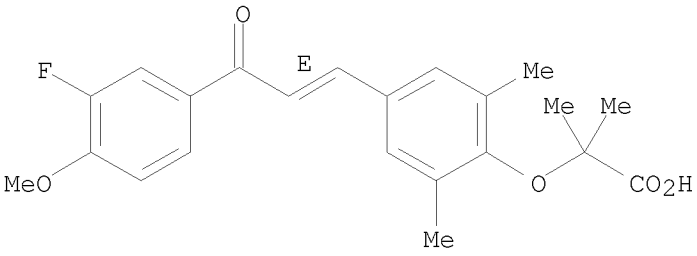
RN 862099-30-7 CAPLUS
CN Propanoic acid, 2-[2,6-dimethyl-4-[(1E)-3-oxo-3-(4-phenoxyphenyl)-1-propen-1-yl]phenoxy]-2-methyl- (CA INDEX NAME)

Double bond geometry as shown.



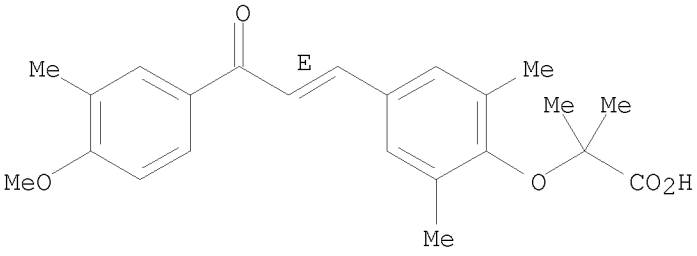
RN 862099-32-9 CAPLUS
CN Propanoic acid, 2-[4-[(1E)-3-(3-fluoro-4-methoxyphenyl)-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl- (CA INDEX NAME)

Double bond geometry as shown.



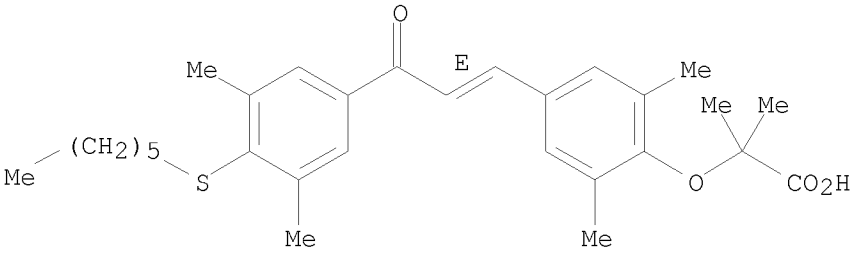
RN 862099-34-1 CAPLUS
CN Propanoic acid, 2-[4-[(1E)-3-(4-methoxy-3-methylphenyl)-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl- (CA INDEX NAME)

Double bond geometry as shown.



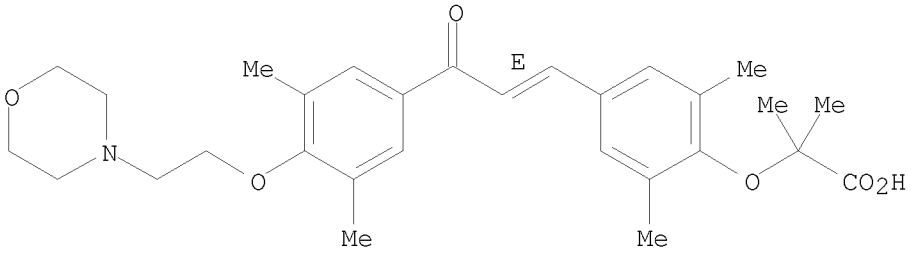
RN 862099-36-3 CAPLUS
CN Propanoic acid, 2-[4-[(1E)-3-[4-(hexylthio)-3,5-dimethylphenyl]-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl- (CA INDEX NAME)

Double bond geometry as shown.



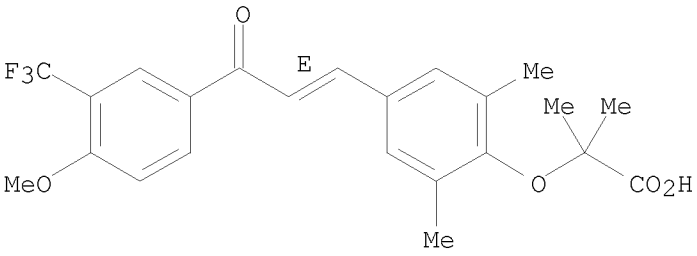
RN 862099-40-9 CAPLUS
CN Propanoic acid, 2-[4-[(1E)-3-[3,5-dimethyl-4-[2-(4-morpholinyl)ethoxy]phenyl]-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl- (CA INDEX NAME)

Double bond geometry as shown.



RN 862099-44-3 CAPLUS
CN Propanoic acid, 2-[4-[(1E)-3-[4-methoxy-3-(trifluoromethyl)phenyl]-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl- (CA INDEX NAME)

Double bond geometry as shown.



RN 862099-47-6 CAPLUS
CN Propanoic acid, 2-[2,6-dimethyl-4-[3-oxo-3-[4-[2-(pentylthio)ethoxy]phenyl]-1-propen-1-yl]phenoxy]-2-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)

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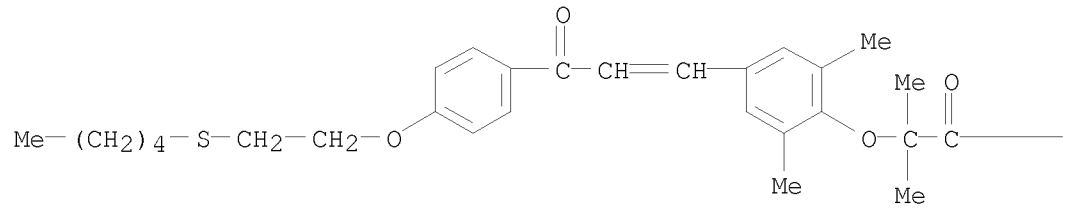

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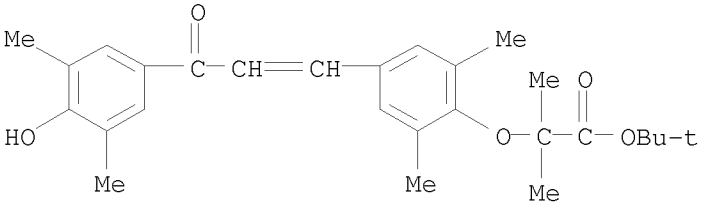
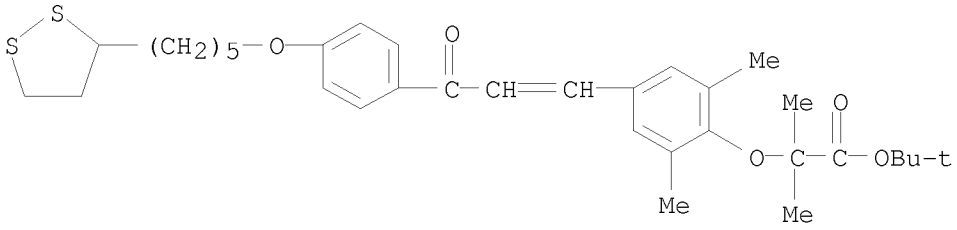
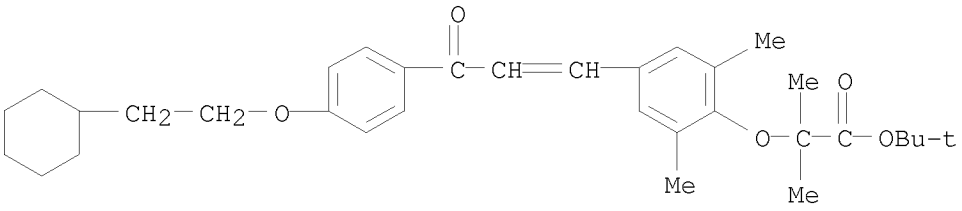
RN 862099-49-8 CAPLUS
CN Propanoic acid, 2-[4-[3-(4-hydroxy-3,5-dimethylphenyl)-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)



RN 862099-51-2 CAPLUS
CN Propanoic acid, 2-[4-[3-[4-[[5-(1,2-dithiolan-3-yl)pentyl]oxy]phenyl]-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)



RN 862099-54-5 CAPLUS
CN Propanoic acid, 2-[4-[3-[4-(2-cyclohexylethoxy)phenyl]-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)



RN 862099-55-6 CAPLUS
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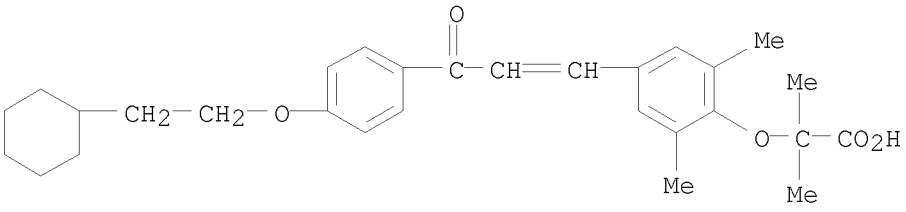
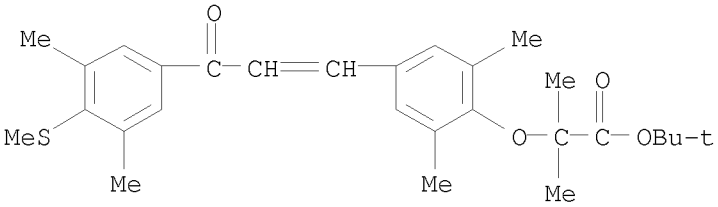
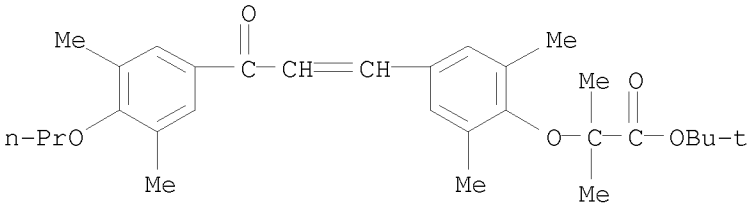


RN 862099-58-9 CAPLUS
CN Propanoic acid, 2-[4-[3-[3,5-dimethyl-4-(methylthio)phenyl]-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)



RN 862099-59-0 CAPLUS
CN Propanoic acid, 2-[4-[3-(3,5-dimethyl-4-propoxyphenyl)-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)



RN 862099-60-3 CAPLUS
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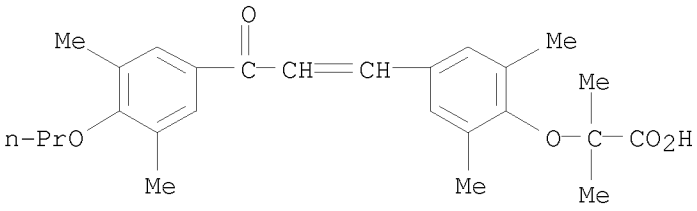

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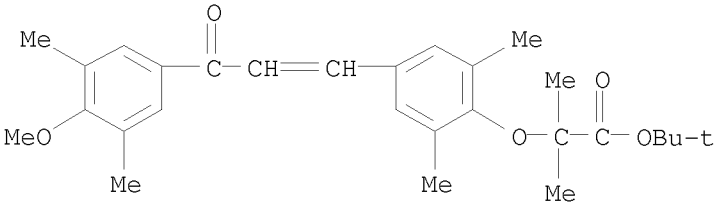
CN Propanoic acid, 2-[4-[3-(4-methoxy-3,5-dimethylphenyl)-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)



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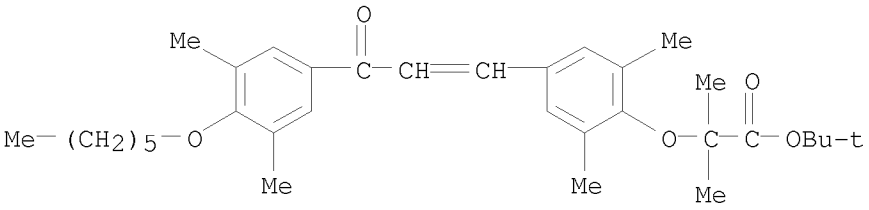
CN Propanoic acid, 2-[4-[3-[4-(hexyloxy)-3,5-dimethylphenyl]-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)



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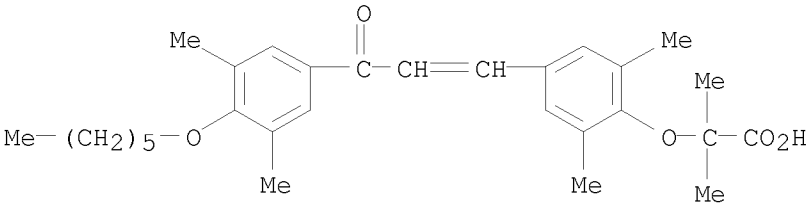
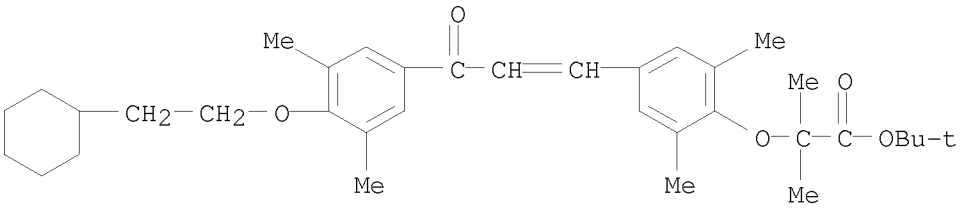
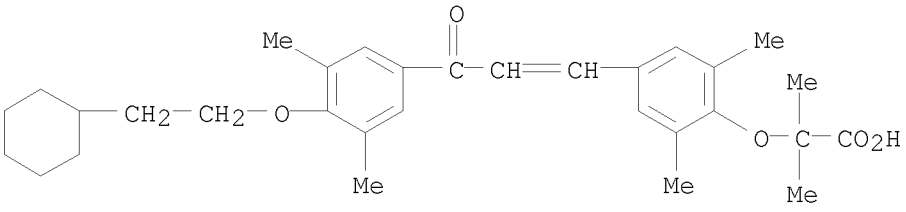
CN Propanoic acid, 2-[4-[3-[4-(hexyloxy)-3,5-dimethylphenyl]-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl- (CA INDEX NAME)



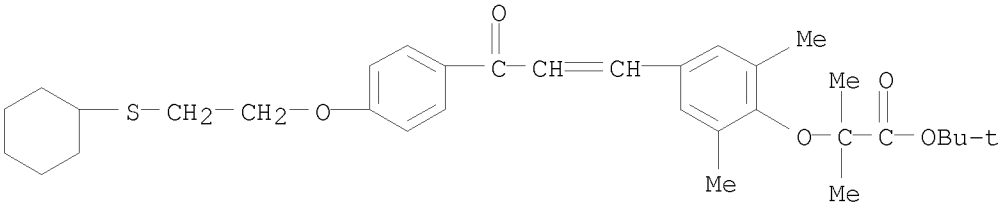
RN 862099-64-7 CAPLUS
CN Propanoic acid, 2-[4-[3-[4-(2-cyclohexylethoxy)-3,5-dimethylphenyl]-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)



RN 862099-65-8 CAPLUS
CN Propanoic acid, 2-[4-[3-[4-(2-cyclohexylethoxy)-3,5-dimethylphenyl]-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl- (CA INDEX NAME)



RN 862099-66-9 CAPLUS
CN Propanoic acid, 2-[4-[3-[4-[2-(cyclohexylthio)ethoxy]phenyl]-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)



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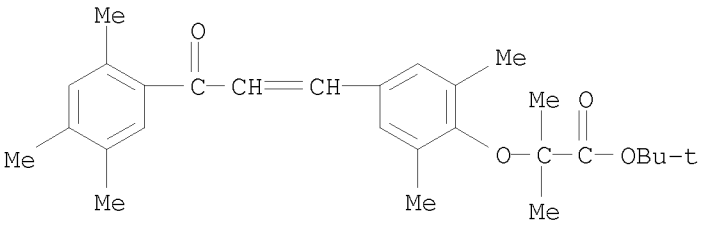
CN Propanoic acid, 2-[2,6-dimethyl-4-[3-oxo-3-(2,4,5-trimethylphenyl)-1-propen-1-yl]phenoxy]-2-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)



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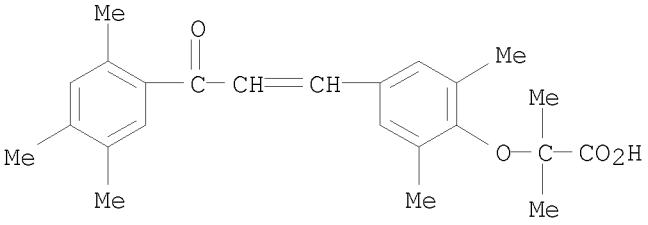
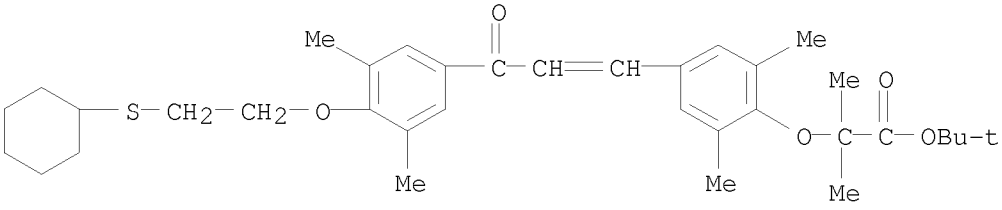
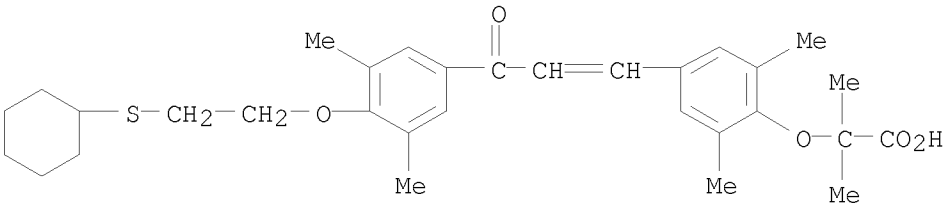


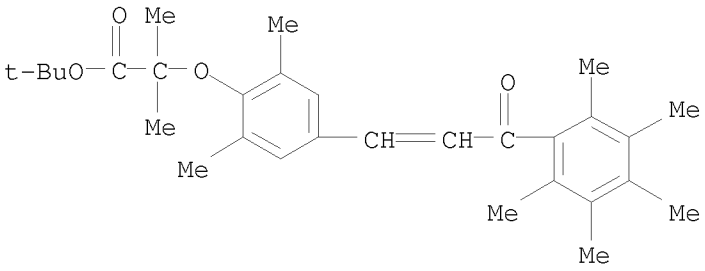
RN 862099-69-2 CAPLUS
CN Propanoic acid, 2-[4-[3-[4-[2-(cyclohexylthio)ethoxy]-3,5-dimethylphenyl]-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)



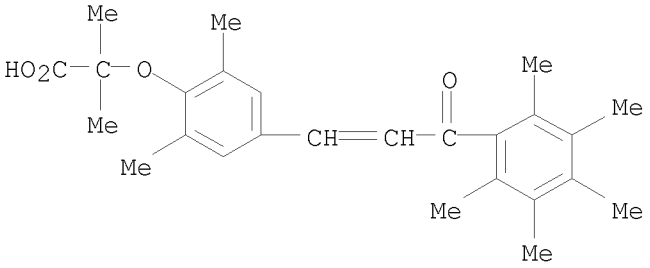
RN 862099-70-5 CAPLUS
CN Propanoic acid, 2-[4-[3-[4-[2-(cyclohexylthio)ethoxy]-3,5-dimethylphenyl]-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl- (CA INDEX NAME)



RN 862099-73-8 CAPLUS
CN Propanoic acid, 2-[2,6-dimethyl-4-[3-oxo-3-(2,3,4,5,6-pentamethylphenyl)-1-propen-1-yl]phenoxy]-2-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)



RN 862099-74-9 CAPLUS
CN Propanoic acid, 2-[2,6-dimethyl-4-[3-oxo-3-(2,3,4,5,6-pentamethylphenyl)-1-propen-1-yl]phenoxy]-2-methyl- (CA INDEX NAME)



RN 862099-75-0 CAPLUS
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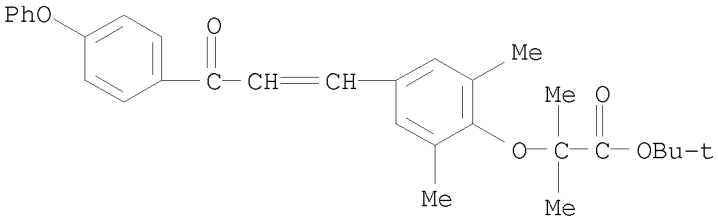
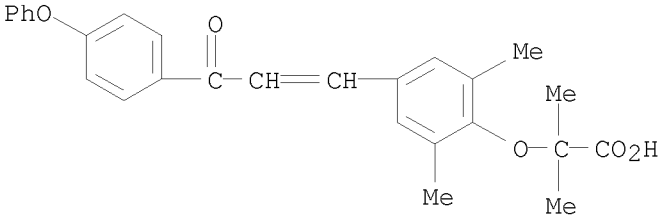
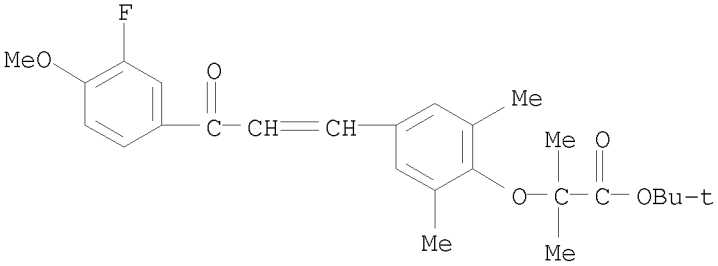


RN 862099-76-1 CAPLUS
CN Propanoic acid, 2-[2,6-dimethyl-4-[3-oxo-3-(4-phenoxyphenyl)-1-propen-1-yl]phenoxy]-2-methyl- (CA INDEX NAME)



RN 862099-77-2 CAPLUS
CN Propanoic acid, 2-[4-[3-(3-fluoro-4-methoxyphenyl)-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)



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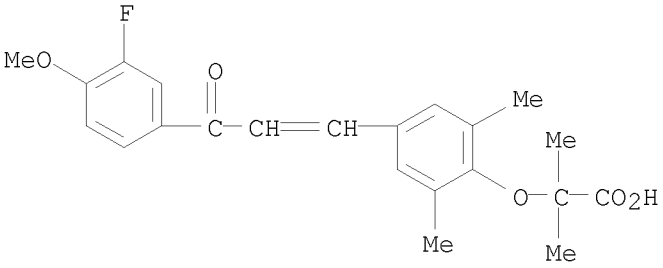
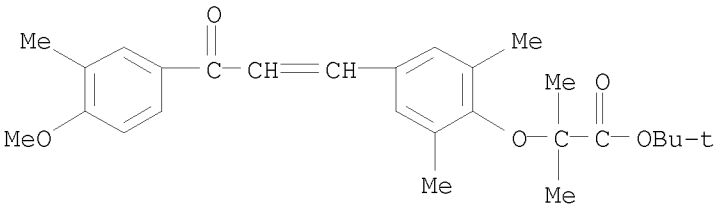


RN 862099-79-4 CAPLUS
CN Propanoic acid, 2-[4-[3-(4-methoxy-3-methylphenyl)-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)



RN 862099-80-7 CAPLUS
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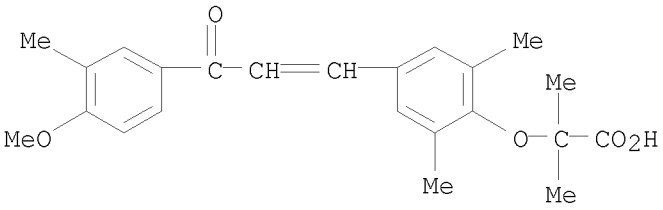

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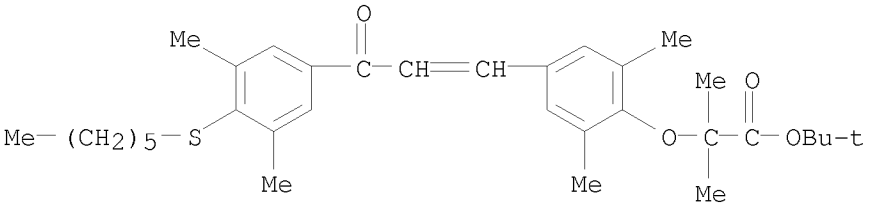

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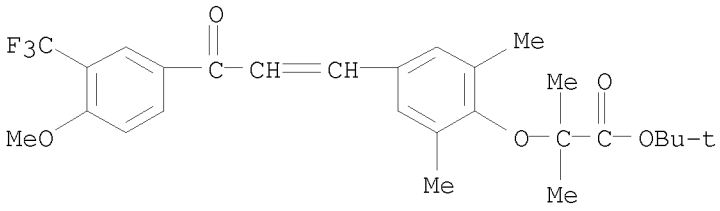

RN 862099-86-3 CAPLUS
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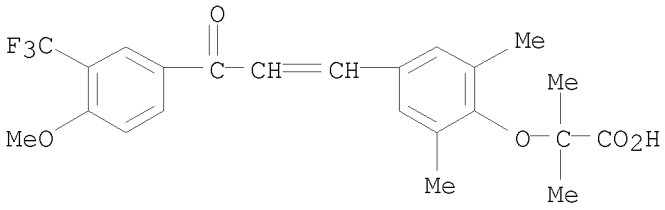

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2005:610755 CAPLUS
DOCUMENT NUMBER: 143:133180
TITLE: Compound derived from 1,3-diphenyl-2-propen-1-one, preparation, and use as PPAR, in particular PPARα, agonists and antioxidants
INVENTOR(S): Caumont, Bertrand Karine; Delhomel, Jean Francois
PATENT ASSIGNEE(S): Genfit S.A., Fr.
SOURCE: Fr. Demande, 67 pp.
CODEN: FRXXBL
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2864956	A1	20050715	FR 2004-123	20040108
FR 2864956	B1	20060428		
AU 2005209446	A1	20050811	AU 2005-209446	20050107
CA 2550576	A1	20050811	CA 2005-2550576	20050107
WO 2005073184	A1	20050811	WO 2005-FR40	20050107
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
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EP 1701938	A1	20060920	EP 2005-717386	20050107
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CN 1930122	A	20070314	CN 2005-80007226		20050107
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NO 2006002824	A	20061005	NO 2006-2824		20060616
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MX 2006007867	A	20060926	MX 2006-7867		20060707
ZA 2006006542	A	20080730	ZA 2006-6542		20060807
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PRIORITY APPLN. INFO.:			FR 2004-123	A	20040108
			FR 2004-9257	A	20040901
			WO 2005-FR40	W	20050107

OTHER SOURCE(S): MARPAT 143:133180

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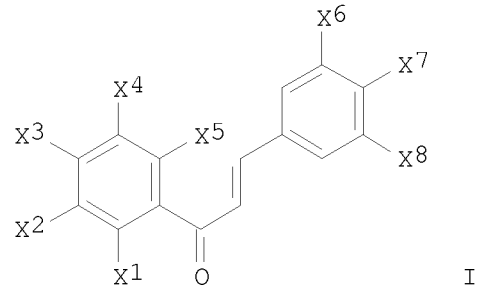

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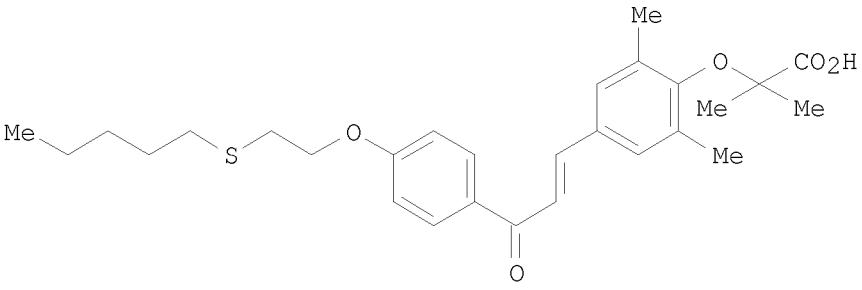


II

AB Title compds. I [X7 = (un)substituted O-alkyl, S-alkyl; X1-X5 = independently halo, thionitroso, alkoxy, aryloxy, etc.; X6, X8 = independently halo, H, alkoxy, etc; with provisos; with the exclusion of certain compds.] were prepared as peroxisome proliferator-activated receptor-α (PPARα) agonists and antioxidants. Eight biol. examples are given. For example, II was prepared by condensation of 4-[[2-(pentylthio)ethyl]oxy]acetophenone (preparation given) with 4-hydroxy-3,5-dimethylbenzaldehyde, O-alkylation with tert-Bu 2-bromoisobutyrate and ester acidolysis. II displayed antioxidant properties as demonstrated by reduction of 90% in the in vitro production of conjugated dienes after Cu-induced LDL oxidation II showed induced luciferase activity via PPARα/Gal4 transactivation with an induction factor of 18.49 at 10μM. I are useful for treating cardiovascular diseases, dyslipidemia, syndrome X, diabetes, obesity, hypertension, inflammations, dermatol. diseases, cerebral ischemia and the disorders

related tot he oxidative stress, for treating aging, in particular cutaneous aging.

IT 858420-74-3P, (E)-1-[4-[[2-(Pentylthio)ethyl]oxy]phenyl]-3-[4-[[[(tert-butyloxy)carbonyl]dimethylmethyl]oxy]-3,5-dimethylphenyl]prop-2-en-1-one 858420-75-4P, (E)-1-[4-[[2-(Pentylthio)ethyl]oxy]phenyl]-3-[4-[(carboxydimethylmethyl)oxy]-3,5-dimethylphenyl]prop-2-en-1-one 858420-76-5P, (E)-1-(4-Hydroxy-3,5-dimethylphenyl)-3-[4-[[[(tert-butyloxy)carbonyl]dimethylmethyl]oxy]-3,5-dimethylphenyl]prop-2-en-1-one 858420-77-6P, (E)-1-(4-Hydroxy-3,5-dimethylphenyl)-3-[4-[(carboxydimethylmethyl)oxy]-3,5-dimethylphenyl]prop-2-en-1-one 858420-78-7P, (E)-1-[4-[[5-([1,2]Dithiolan-3-yl)pentyl]oxy]phenyl]-3-[4-[[[(tert-butyloxy)carbonyl]dimethylmethyl]oxy]-3,5-dimethylphenyl]prop-2-en-1-one 858420-79-8P, (E)-1-[4-[[5-([1,2]Dithiolan-3-yl)pentyl]oxy]phenyl]-3-[4-[(carboxydimethylmethyl)oxy]-3,5-dimethylphenyl]prop-2-en-1-one 858420-82-3P, (E)-1-(4-Bromophenyl)-3-[3,5-dimethyl-4-[[[(ethyloxy)carbonyl](phenyl)methyl]oxy]phenyl]prop-2-en-1-one 858420-83-4P, 1-[4-[[2-(Pentylthio)ethyl]oxy]phenyl]-3-[4-[(carboxydimethylmethyl)oxy]-3,5-dimethylphenyl]prop-2-en-1-one 858420-84-5P, 1-[4-[[2-(Cyclohexylthio)ethyl]oxy]phenyl]-3-[4-[(carboxydimethylmethyl)oxy]-3,5-dimethylphenyl]prop-2-en-1-one 858420-86-7P, 1-(4-Hydroxy-3,5-dimethylphenyl)-3-[4-[(carboxydimethylmethyl)oxy]-3,5-dimethylphenyl]prop-2-en-1-one 858420-87-8P, 1-(4-Methoxy-3,5-dimethylphenyl)-3-[4-[(carboxydimethylmethyl)oxy]-3,5-dimethylphenyl]prop-2-en-1-one 858420-88-9P, 1-[4-[[5-([1,2]Dithiolan-3-yl)pentyl]oxy]-3,5-dimethylphenyl]-3-[4-[(carboxydimethylmethyl)oxy]-3,5-dimethylphenyl]prop-2-en-1-one 858420-89-0P, 1-[4-[[5-([1,2]Dithiolan-3-yl)pentyl]oxy]phenyl]-3-[4-[(carboxydimethylmethyl)oxy]-3,5-dimethylphenyl]prop-2-en-1-one 858420-90-3P, 1-(4-Bromophenyl)-3-[4-[[(carboxy)(phenyl)methyl]oxy]-3,5-dimethylphenyl]prop-2-en-1-one 858420-91-4P, 1-(4-Mercapto-3,5-dimethylphenyl)-3-[4-[(carboxydimethylmethyl)oxy]-3,5-dimethylphenyl]prop-2-en-1-one 858420-92-5P, 1-(4-Methylthio-3,5-dimethylphenyl)-3-[4-[(carboxydimethylmethyl)oxy]-3,5-dimethylphenyl]prop-2-en-1-one 858420-93-6P, 1-[4-[(2-Cyclohexylethyl)thio]-3,5-dimethylphenyl]-3-[4-[(carboxydimethylmethyl)oxy]-3,5-dimethylphenyl]prop-2-en-1-one 858420-94-7P, 1-[4-(Hexylthio)-3,5-dimethylphenyl]-3-[4-[(carboxydimethylmethyl)oxy]-3,5-dimethylphenyl]prop-2-en-1-one 858420-95-8P, 1-(2,5-Dihydroxy-3,4,6-trimethylphenyl)-3-[4-[(carboxydimethylmethyl)oxy]-3,5-dimethylphenyl]prop-2-en-1-one 858420-96-9P 858420-99-2P, 1-[4-[(2-Phenylethyl)oxy]phenyl]-3-[4-[(carboxydimethylmethyl)oxy]-3,5-dimethylphenyl]prop-2-en-1-one 858421-00-8P, 1-[4-[2-(Morpholin-4-yl)ethyloxy]phenyl]-3-[4-[(carboxydimethylmethyl)oxy]-3,5-dimethylphenyl]prop-2-en-1-one

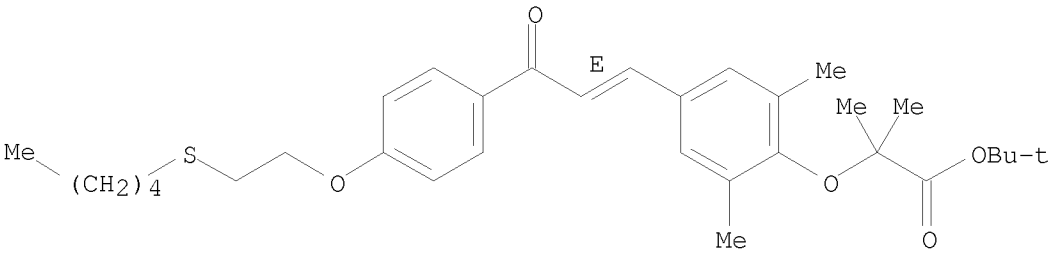
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(drug candidate; preparation of 1,3-di-Ph-2-propen-1-one as PPAR, in particular PPARα, agonists and antioxidants and their pharmaceutical and cosmetic compns.)

RN 858420-74-3 CAPLUS

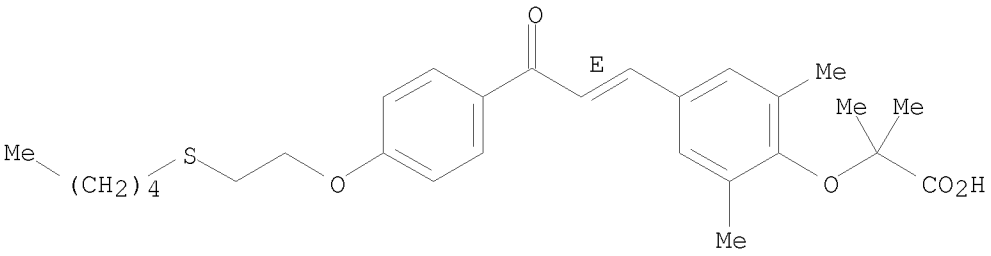
CN Propanoic acid, 2-[2,6-dimethyl-4-[(1E)-3-oxo-3-[4-[2-(pentylthio)ethoxy]phenyl]-1-propen-1-yl]phenoxy]-2-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)

Double bond geometry as shown.



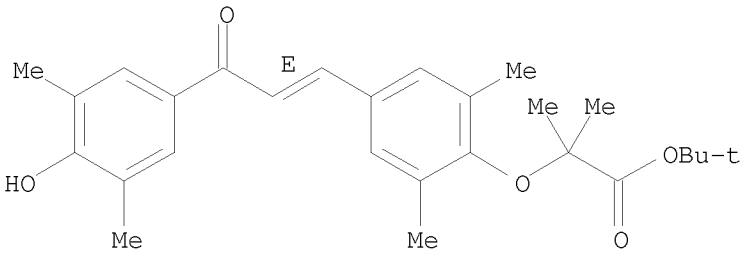
RN 858420-75-4 CAPLUS
CN Propanoic acid, 2-[2,6-dimethyl-4-[(1E)-3-oxo-3-[4-[2-(pentylthio)ethoxy]phenyl]-1-propen-1-yl]phenoxy]-2-methyl- (CA INDEX NAME)

Double bond geometry as shown.



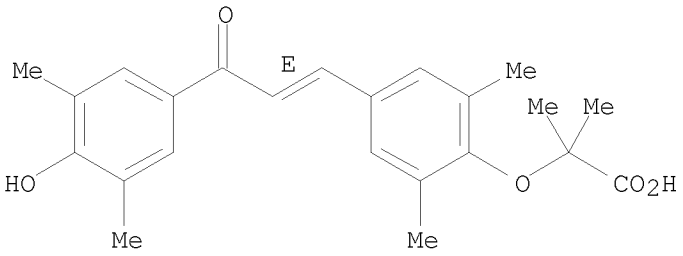
RN 858420-76-5 CAPLUS
CN Propanoic acid, 2-[4-[(1E)-3-(4-hydroxy-3,5-dimethylphenyl)-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)

Double bond geometry as shown.



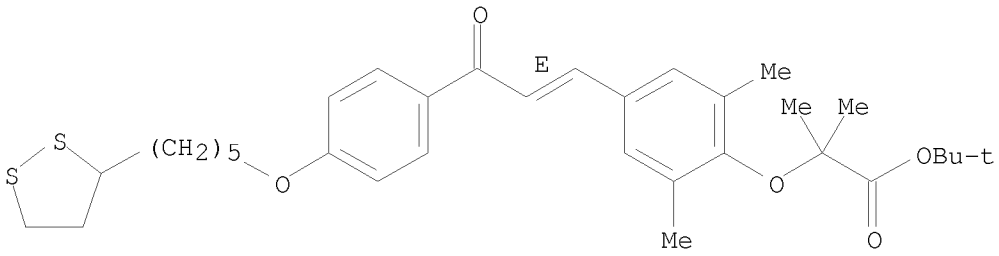
RN 858420-77-6 CAPLUS
CN Propanoic acid, 2-[4-[(1E)-3-(4-hydroxy-3,5-dimethylphenyl)-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl- (CA INDEX NAME)

Double bond geometry as shown.



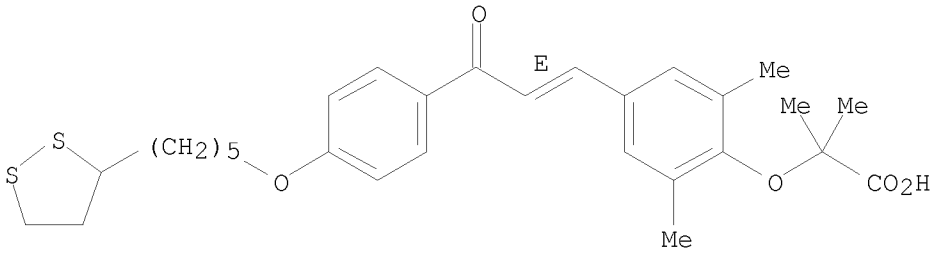
RN 858420-78-7 CAPLUS
CN Propanoic acid, 2-[4-[(1E)-3-[4-[[5-(1,2-dithiolan-3-yl)pentyl]oxy]phenyl]-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)

Double bond geometry as shown.



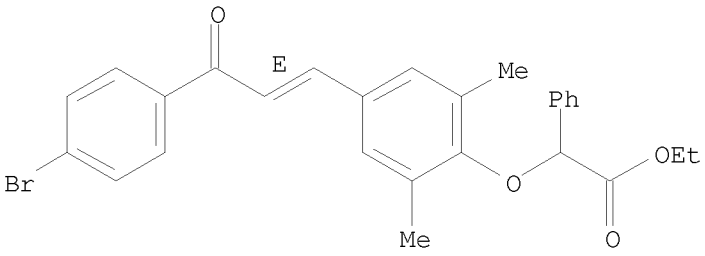
RN 858420-79-8 CAPLUS
CN Propanoic acid, 2-[4-[(1E)-3-[4-[[5-(1,2-dithiolan-3-yl)pentyl]oxy]phenyl]-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl- (CA INDEX NAME)

Double bond geometry as shown.

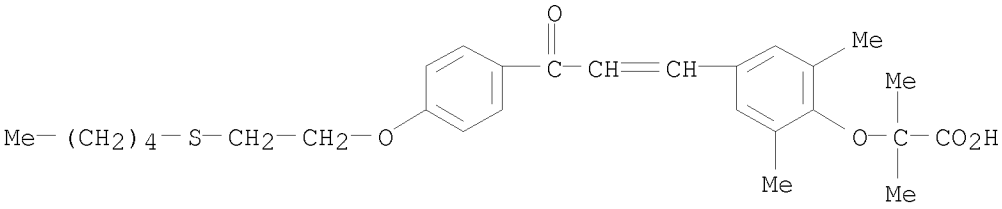


RN 858420-82-3 CAPLUS
CN Benzeneacetic acid, α-[4-[(1E)-3-(4-bromophenyl)-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-, ethyl ester (CA INDEX NAME)

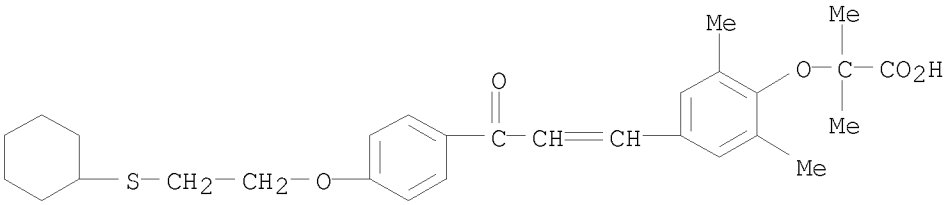
Double bond geometry as shown.



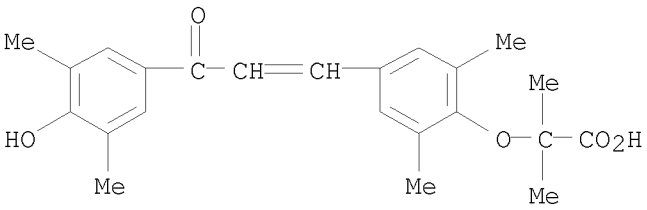
RN 858420-83-4 CAPLUS
CN Propanoic acid, 2-[2,6-dimethyl-4-[3-oxo-3-[4-[2-(pentylthio)ethoxy]phenyl]-1-propen-1-yl]phenoxy]-2-methyl- (CA INDEX NAME)



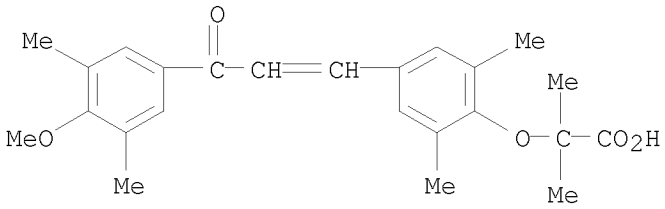
RN 858420-84-5 CAPLUS
CN Propanoic acid, 2-[4-[3-[4-[2-(cyclohexylthio)ethoxy]phenyl]-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl- (CA INDEX NAME)



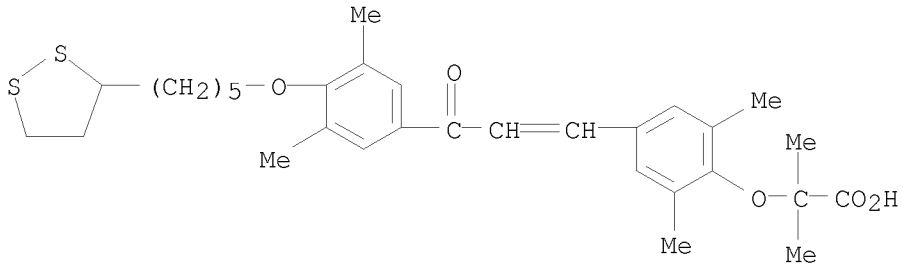
RN 858420-86-7 CAPLUS
CN Propanoic acid, 2-[4-[3-(4-hydroxy-3,5-dimethylphenyl)-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl- (CA INDEX NAME)



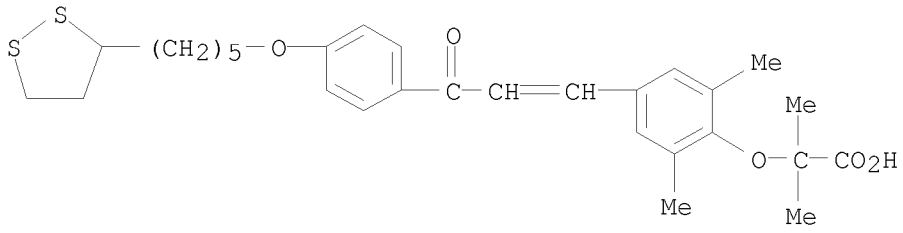
RN 858420-87-8 CAPLUS
CN Propanoic acid, 2-[4-[3-(4-methoxy-3,5-dimethylphenyl)-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl- (CA INDEX NAME)



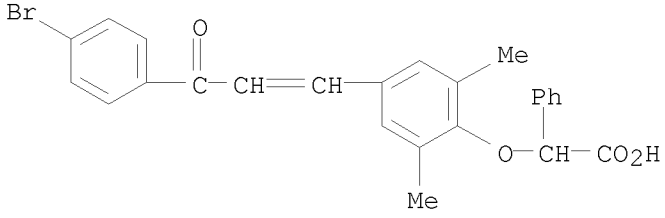
RN 858420-88-9 CAPLUS
CN Propanoic acid, 2-[4-[3-[4-[[5-(1,2-dithiolan-3-yl)pentyl]oxy]-3,5-dimethylphenyl]-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl- (CA INDEX NAME)



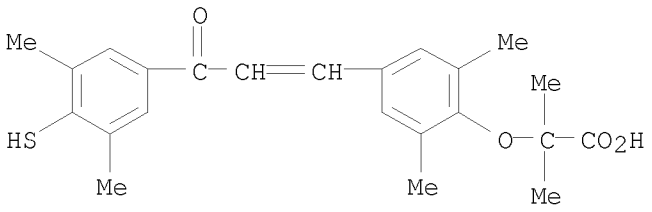
RN 858420-89-0 CAPLUS
CN Propanoic acid, 2-[4-[3-[4-[[5-(1,2-dithiolan-3-yl)pentyl]oxy]phenyl]-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl- (CA INDEX NAME)



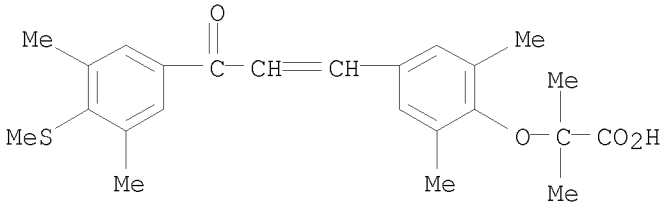
RN 858420-90-3 CAPLUS
CN Benzeneacetic acid, α-[4-[3-(4-bromophenyl)-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]- (CA INDEX NAME)



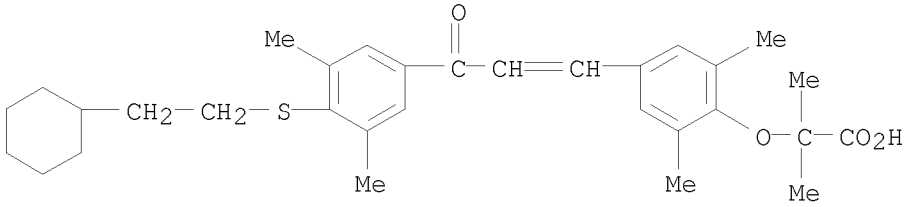
RN 858420-91-4 CAPLUS
CN Propanoic acid, 2-[4-[3-(4-mercapto-3,5-dimethylphenyl)-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl- (CA INDEX NAME)



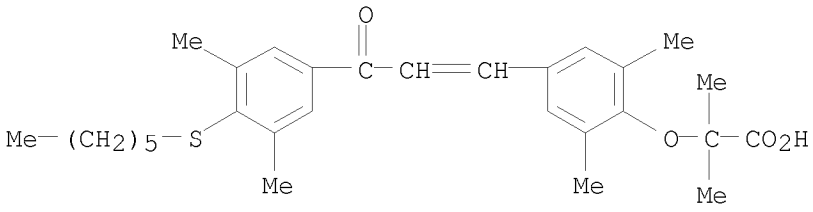
RN 858420-92-5 CAPLUS
CN Propanoic acid, 2-[4-[3-[3,5-dimethyl-4-(methylthio)phenyl]-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl- (CA INDEX NAME)



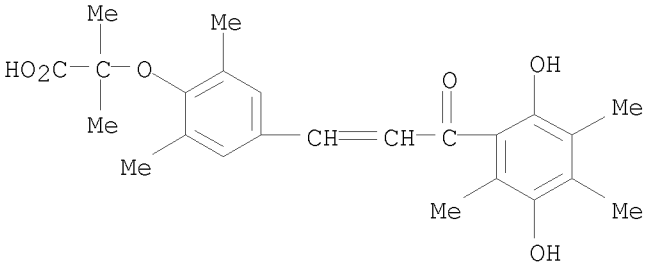
RN 858420-93-6 CAPLUS
CN Propanoic acid, 2-[4-[3-[4-[(2-cyclohexylethyl)thio]-3,5-dimethylphenyl]-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl- (CA INDEX NAME)



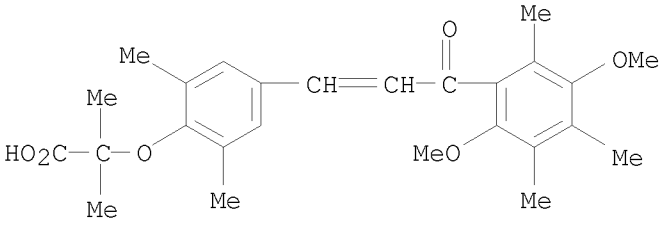
RN 858420-94-7 CAPLUS
CN Propanoic acid, 2-[4-[3-[4-(hexylthio)-3,5-dimethylphenyl]-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl- (CA INDEX NAME)



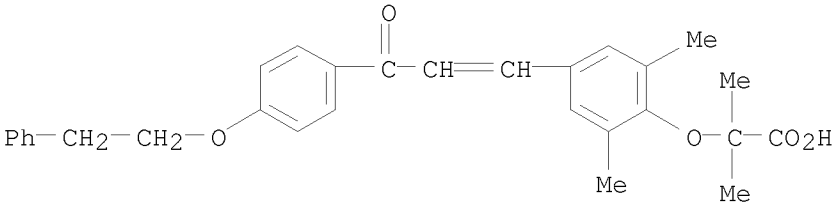
RN 858420-95-8 CAPLUS
CN Propanoic acid, 2-[4-[3-(2,5-dihydroxy-3,4,6-trimethylphenyl)-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl- (CA INDEX NAME)



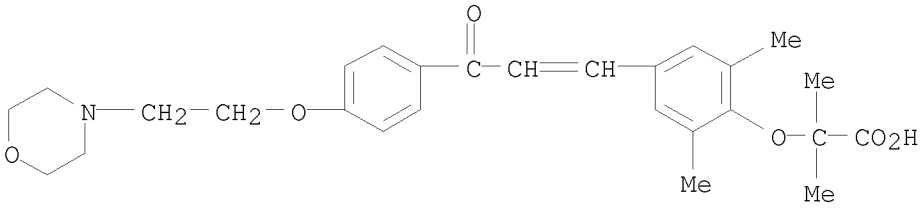
RN 858420-96-9 CAPLUS
CN Propanoic acid, 2-[4-[3-(2,5-dimethoxy-3,4,6-trimethylphenyl)-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl- (CA INDEX NAME)



RN 858420-99-2 CAPLUS
CN Propanoic acid, 2-[2,6-dimethyl-4-[3-oxo-3-[4-(2-phenylethoxy)phenyl]-1-propen-1-yl]phenoxy]-2-methyl- (CA INDEX NAME)



RN 858421-00-8 CAPLUS
CN Propanoic acid, 2-[2,6-dimethyl-4-[3-[4-[2-(4-morpholinyl)ethoxy]phenyl]-3-oxo-1-propen-1-yl]phenoxy]-2-methyl- (CA INDEX NAME)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2005:33165 CAPLUS
DOCUMENT NUMBER: 142:134317
TITLE: Preparation of carboxyalkyloxy- and

carboxyalkylthio-1,3-diphenylprop-2-en-1-one derivatives via O- and S-alkylation

INVENTOR(S): Delhomel, Jean Francois; Caumont, Bertrand Karine
PATENT ASSIGNEE(S): Genfit S.A., Fr.
SOURCE: Fr. Demande, 40 pp.
CODEN: FRXXBL
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2857361	A1	20050114	FR 2003-8354	20030708
FR 2857361	B1	20050909		
AU 2004255905	A1	20050120	AU 2004-255905	20040708
CA 2531443	A1	20050120	CA 2004-2531443	20040708
WO 2005005369	A1	20050120	WO 2004-FR1797	20040708
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1644312	A1	20060412	EP 2004-767629	20040708
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CN 1819986	A	20060816	CN 2004-80019564	20040708
BR 2004012370	A	20060905	BR 2004-12370	20040708
SG 129448	A1	20070226	SG 2007-644	20040708
JP 2007516189	T	20070621	JP 2006-518300	20040708
NZ 544792	A	20090228	NZ 2004-544792	20040708
IN 2006DN00051	A	20070824	IN 2006-DN51	20060103
MX 2006000159	A	20060321	MX 2006-159	20060105
NO 2006000087	A	20060207	NO 2006-87	20060106
KR 2006030110	A	20060407	KR 2006-700562	20060109
US 20060142611	A1	20060629	US 2006-563057	20060202
US 7385082	B2	20080610		
ZA 2006001040	A	20070530	ZA 2006-1040	20060206

PRIORITY APPLN. INFO.: FR 2003-8354 A 20030708
WO 2004-FR1797 W 20040708

OTHER SOURCE(S): CASREACT 142:134317; MARPAT 142:134317
GI

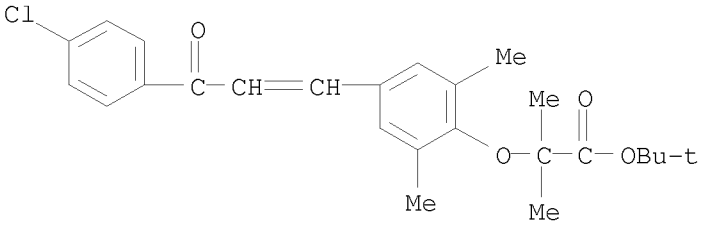
* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The invention is directed to a method of preparation of 1,3-diphenylprop-2-en-1-one of formula I and II, substituted on one of the two Ph groups with a carboxyalkylthio or a carboxyalkyloxy, by O- or S-alkylation of the corresponding thio/phenols with halocarboxylates YR, and TFA-acidolysis of the resulting ester [X1 = halo, R1, G1R1; X2 = H, thionitroso, alkyloxy, alkylcarbonyloxy, alkythio, alkylcarbonylthio; X3 = R3, G3R3, X4 = halo, thionitroso, R4, G4R4; X5 = R5, G5R5; R1, R3, R4, R5 = independently H, alkyl (un)substituted by a carboxylic acid group; G1,

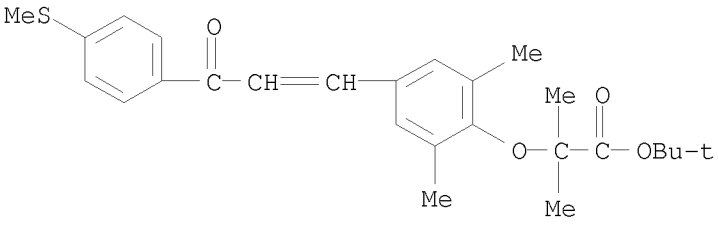
G3, G4, G5 = independently O, S; with one of X1, X3, X4, or X5 being of formula GR, wherein G = defined as above, R = carboxyalkyl; Y = halo]. The advantage includes higher global yield of product. Thus, reacting II with tert-Bu 2-bromoisobutyrate in MeCN the presence of K2CO3 at reflux for 10 h, and TFA-acidolysis gave III in 56% global yield. Claisen-Schmidt condensation of 4-chloroacetophenone with 3,5-dimethyl-4-hydroxybenzaldehyde in the presence of gaseous HCl saturated with EtOH gave II in 91%.

IT 824932-84-5P, 1-(4-Chlorophenyl)-3-[3,5-dimethyl-4-[[[(tert-butyloxy)carbonyl]dimethylmethyl]oxy]phenyl]prop-2-en-1-one
824932-90-3P, 1-(4-Methylthiophenyl)-3-[3,5-dimethyl-4-[[[(tert-butyloxy)carbonyl]dimethylmethyl]oxy]phenyl]prop-2-en-1-one
824932-93-6P, 1-(4-Hexyloxyphenyl)-3-[3,5-dimethyl-4-[[[(tert-butyloxy)carbonyl]dimethylmethyl]oxy]phenyl]prop-2-en-1-one
824932-96-9P, 1-(2-Methyloxy-4-chlorophenyl)-3-[3,5-dimethyl-4-[[[(tert-butyloxy)carbonyl]dimethylmethyl]oxy]phenyl]prop-2-en-1-one
824932-99-2P, 1-(4-Bromophenyl)-3-[3,5-dimethyl-4-[[[(tert-butyloxy)carbonyl]dimethylmethyl]oxy]phenyl]prop-2-en-1-one
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(intermediate; preparation of carboxyalkylthio- and carboxyalkyloxy-1,3-diphenylprop-2-en-1-one derivs. by O- or S-alkylation of thio/phenols and acidolysis)

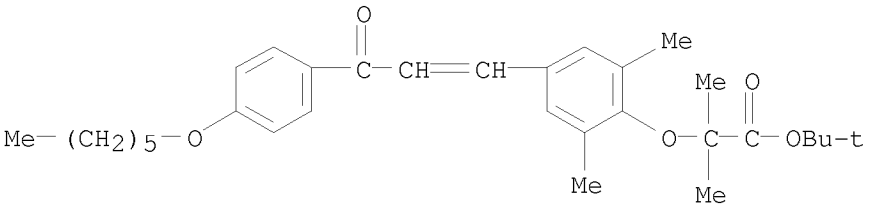
RN 824932-84-5 CAPLUS
CN Propanoic acid, 2-[4-[3-(4-chlorophenyl)-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)



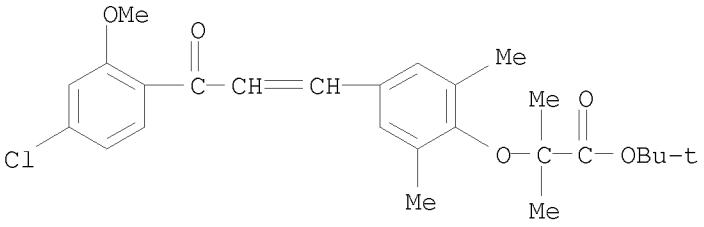
RN 824932-90-3 CAPLUS
CN Propanoic acid, 2-[2,6-dimethyl-4-[3-[4-(methylthio)phenyl]-3-oxo-1-propen-1-yl]phenoxy]-2-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)



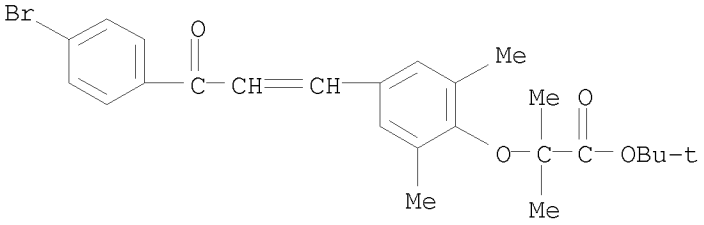
RN 824932-93-6 CAPLUS
CN Propanoic acid, 2-[4-[3-[4-(hexyloxy)phenyl]-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)



RN 824932-96-9 CAPLUS
CN Propanoic acid, 2-[4-[3-(4-chloro-2-methoxyphenyl)-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)

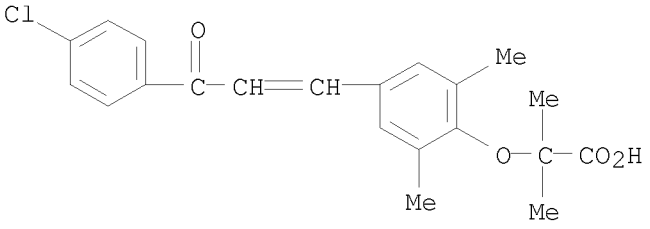


RN 824932-99-2 CAPLUS
CN Propanoic acid, 2-[4-[3-(4-bromophenyl)-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)



IT 824932-82-3P, 1-(4-Chlorophenyl)-3-[3,5-dimethyl-4-[(carboxydimethylmethyl)oxy]phenyl]prop-2-en-1-one 824932-88-9P, 1-(4-Methylthiophenyl)-3-[3,5-dimethyl-4-[(carboxydimethylmethyl)oxy]phenyl]prop-2-en-1-one 824932-91-4P, 1-(4-Hexyloxyphenyl)-3-[3,5-dimethyl-4-[(carboxydimethylmethyl)oxy]phenyl]prop-2-en-1-one 824932-94-7P, 1-(2-Methyloxy-4-chlorophenyl)-3-[3,5-dimethyl-4-[(carboxydimethylmethyl)oxy]phenyl]prop-2-en-1-one 824932-97-0P, 1-(4-Bromophenyl)-3-[3,5-dimethyl-4-[(carboxydimethylmethyl)oxy]phenyl]prop-2-en-1-one
RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)
(product; preparation of carboxyalkylthio- and carboxyalkyloxy-1,3-diphenylprop-2-en-1-one derivs. by O- or S-alkylation of thio/phenols and acidolysis)

RN 824932-82-3 CAPLUS
CN Propanoic acid, 2-[4-[3-(4-chlorophenyl)-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl- (CA INDEX NAME)



RN 824932-88-9 CAPLUS
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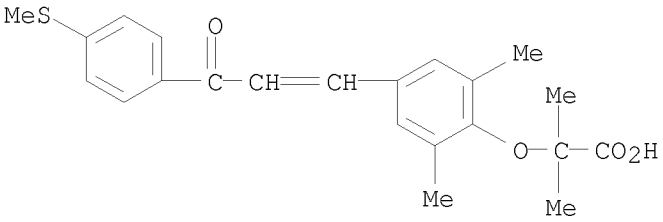
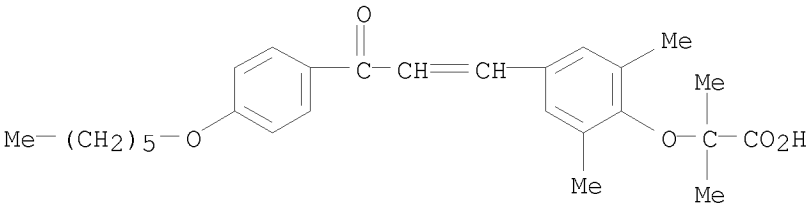
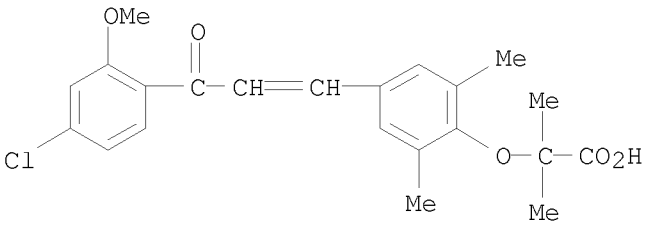


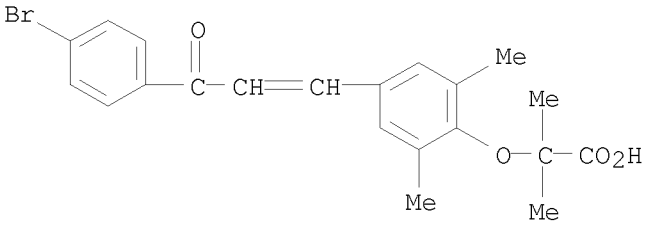
RN 824932-91-4 CAPLUS
CN Propanoic acid, 2-[4-[3-[4-(hexyloxy)phenyl]-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl- (CA INDEX NAME)



RN 824932-94-7 CAPLUS
CN Propanoic acid, 2-[4-[3-(4-chloro-2-methoxyphenyl)-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl- (CA INDEX NAME)



RN 824932-97-0 CAPLUS
CN Propanoic acid, 2-[4-[3-(4-bromophenyl)-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl- (CA INDEX NAME)



REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2004:19768 CAPLUS
DOCUMENT NUMBER: 140:76897
TITLE: Preparation of 1,3-diphenylprop-2-en-1-one as PPAR agonists and as antioxidants for treating cerebral ischemia and related diseases
INVENTOR(S): Najib, Jamila; Caumont Bertrand, Karine
PATENT ASSIGNEE(S): Genfit S.A., Fr.
SOURCE: Fr. Demande, 66 pp.
CODEN: FRXXBL
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2841900	A1	20040109	FR 2002-8571	20020708
FR 2841900	B1	20070302		
CA 2490986	A1	20040115	CA 2003-2490986	20030708
WO 2004005233	A1	20040115	WO 2003-FR2127	20030708
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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003264698	A1	20040123	AU 2003-264698	20030708
BR 2003012398	A	20050412	BR 2003-12398	20030708
EP 1525177	A1	20050427	EP 2003-762749	20030708
EP 1525177	B1	20070627		
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CN 1668565	A	20050914	CN 2003-816366	20030708
JP 2005532385	T	20051027	JP 2004-518890	20030708
AT 365703	T	20070715	AT 2003-762749	20030708
NZ 538051	A	20071130	NZ 2003-538051	20030708
ES 2287528	T3	20071216	ES 2003-762749	20030708
NO 2004005301	A	20050204	NO 2004-5301	20041203
MX 2005000427	A	20050930	MX 2005-427	20050107
ZA 2005001082	A	20070131	ZA 2005-1082	20050207
US 20050176808	A1	20050811	US 2005-520079	20050422
US 20070032543	A1	20070208	US 2006-493040	20060726

PRIORITY APPLN. INFO.: FR 2002-8571 A 20020708

WO 2003-FR2127 W 20030708
US 2005-520079 A2 20050422

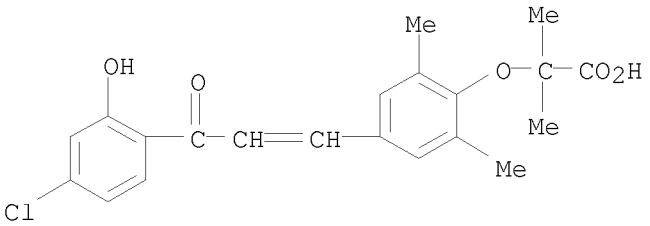
OTHER SOURCE(S): MARPAT 140:76897
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

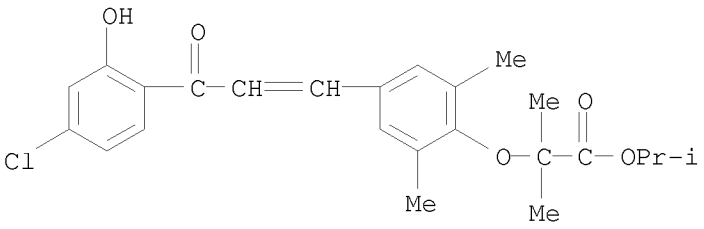
AB Title compds. I [wherein X1 = halo, R1, G1R1; X2 = H, thionitroso, OH, alkylcarbonyloxy, alkyloxy, SH, alkylthio, alkylcarbonylthio or X2 = O or S that forms a 2-phenyl-4H-1-benzopyran-4-one with the carbon-3 of the propene chain; X3 = R3, G3R3; X4 = halo, thionitroso, R4, G4R4; X5 = R5, G5R5; X6 = O, NH and derivs.; R1, R3, R4, R5 = independently H, (un)substituted alkyl; G1, G3, G4, G5 = independently O or S; with at least one of X1, X3, X4, or X5 of formula GR and one of the R1, R3, R4, or R5 is a substituted radical, and that radical form a cycle, or is associated with a group G; their optical and geometrical isomers, racemates, tautomers, salts, hydrates and mixts.; with the exclusion of certain compds.] were prepared as peroxisome proliferator-activated receptors-α (PPARα) agonists and as antioxidants for treating cerebral ischemia and related diseases. For example, II was prepared by mixed-Aldol condensation of ketone III with 4-hydroxy-3,5-ditertbutylbenzaldehyde in the presence of ethanol/HCl. In an antioxidant test, selected I diminished the formation of oxidation product of LDL by AAPH by 33%. Selected I were PPARα agonists and showed induced luciferase activity via PPARα/Gal4 transactivation. I are neuroprotectants useful for treating ischemia.

IT 639864-34-9P, 1-(2-Hydroxy-4-chlorophenyl)-3-(3,5-dimethyl-4-carboxydimethylmethyloxyphenyl)prop-2-en-1-one 639864-35-0P, 1-(2-Hydroxy-4-chlorophenyl)-3-[3,5-dimethyl-4-[[[(isopropoxy)carbonyl]dimethylmethyl]oxy]phenyl]prop-2-en-1-one
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(PPARα agonist; preparation of diphenylpropenones as PPAR agonists for treating ischemia)

RN 639864-34-9 CAPLUS
CN Propanoic acid, 2-[4-[3-(4-chloro-2-hydroxyphenyl)-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl- (CA INDEX NAME)



RN 639864-35-0 CAPLUS
CN Propanoic acid, 2-[4-[3-(4-chloro-2-hydroxyphenyl)-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl-, 1-methylethyl ester (CA INDEX NAME)



REFERENCE COUNT: 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2004:19750 CAPLUS
DOCUMENT NUMBER: 140:76896
TITLE: Composition based on substituted 1,3-diphenylprop-en-1-one derivatives, preparation and use as PPARα agonists, antioxidants as well as antiinflammatory agents
INVENTOR(S): Najib, Jamila; Caumont Bertrand, Karine
PATENT ASSIGNEE(S): Genfit S.A., Fr.
SOURCE: Fr. Demande, 66 pp.
CODEN: FRXXBL
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2841784	A1	20040109	FR 2002-8570	20020708
FR 2841784	B1	20070302		
CA 2490993	A1	20040115	CA 2003-2490993	20030708
WO 2004005243	A2	20040115	WO 2003-FR2128	20030708
WO 2004005243	A3	20040422		
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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003264699	A1	20040123	AU 2003-264699	20030708
EP 1519908	A2	20050406	EP 2003-762750	20030708
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BR 2003012399	A	20050412	BR 2003-12399	20030708
CN 1688532	A	20051026	CN 2003-816351	20030708
JP 2005532386	T	20051027	JP 2004-518891	20030708
AT 364588	T	20070715	AT 2003-762750	20030708
NZ 538052	A	20070928	NZ 2003-538052	20030708
ES 2287529	T3	20071216	ES 2003-762750	20030708
NO 2004005082	A	20041227	NO 2004-5082	20041122
MX 2005000425	A	20050722	MX 2005-425	20050107
ZA 2005001081	A	20070425	ZA 2005-1081	20050207
US 20050171149	A1	20050804	US 2005-520078	20050404

PRIORITY APPLN. INFO.: FR 2002-8570 A 20020708
WO 2003-FR2128 W 20030708

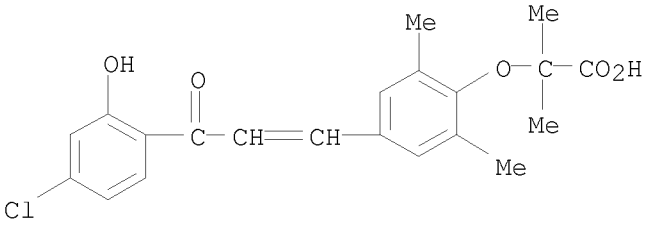
OTHER SOURCE(S): MARPAT 140:76896
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

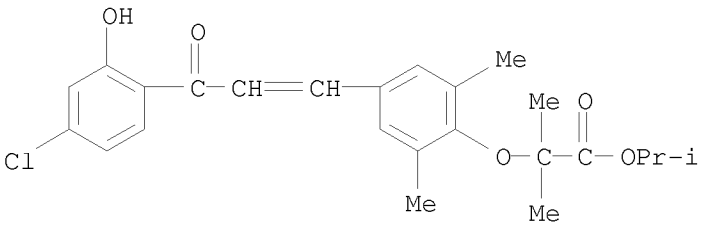
AB Title compds. I [wherein X1 = halo, R1, G1R1; X2 = H, thionitroso, OH, alkylcarbonyloxy, alkyloxy, SH, alkylthio, alkylcarbonylthio or X2 = O or S that forms a 2-phenyl-4H-1-benzopyran-4-one with the carbon-3 of the propene chain; X3 = R3, G3R3; X4 = halo, thionitroso, R4, G4R4; X5 = R5, G5R5; X6 = O, NH and derivs.; R1, R3, R4, R5 = independently H, (un)substituted alkyl; G1, G3, G4, G5 = independently O or S; with at least one of X1, X3, X4, or X5 of formula GR and one of the R1, R3, R4, or R5 is a substituted radical, and that radical form a cycle, or is associated with a group G; their optical and geometrical isomers, racemates, tautomers, salts, hydrates and mixts.; with the exclusion of certain compds.] were prepared as peroxisome proliferator-activated receptors-α (PPARα) agonists and as antioxidants for treating cerebral ischemia and related diseases. For example, II was prepared by mixed-Aldol condensation of ketone III with 4-hydroxy-3,5-ditertbutylbenzaldehyde in the presence of ethanol/HCl. In an antioxidant test, selected I (10-3 M) diminished the formation of oxidation product of LDL by AAPH by 33%. Selected I were PPARα agonists, showing induced luciferase activity via PPARα/Gal4 transactivation with a factor of induction ranging from 10 to 60, 5-50 and 3-35 at 100 μM, 30 μM, and 10 μM resp. I and their compns. are useful for treating cardiovascular diseases, syndrome X, restenosis, diabetes, obesity, hypertension, inflammatory diseases, cancers or neoplasms (benign or malignant tumors), neurodegenerative diseases, dermatol. and the disorders related to the oxydative stress, for preventing and treating aging, and in particular cutaneous aging.

IT 639864-34-9P 639864-35-0P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(PPARα agonist; preparation of diphenylpropenones as PPAR agonists for treating ischemia)

RN 639864-34-9 CAPLUS
CN Propanoic acid, 2-[4-[3-(4-chloro-2-hydroxyphenyl)-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl- (CA INDEX NAME)



RN 639864-35-0 CAPLUS
CN Propanoic acid, 2-[4-[3-(4-chloro-2-hydroxyphenyl)-3-oxo-1-propen-1-yl]-2,6-dimethylphenoxy]-2-methyl-, 1-methylethyl ester (CA INDEX NAME)



REFERENCE COUNT: 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF
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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	51.62	237.72

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-6.56	-6.56

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